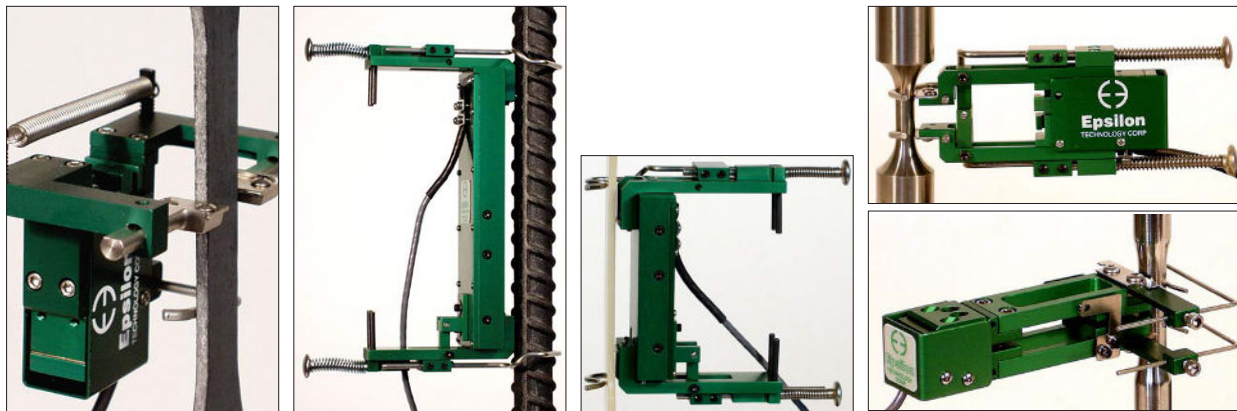


Epsilon Extensometer Catalog



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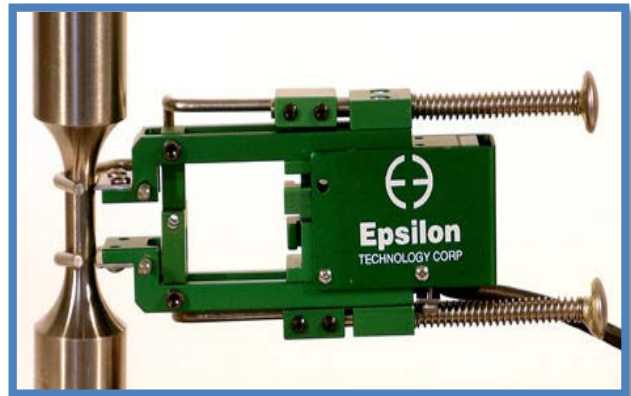
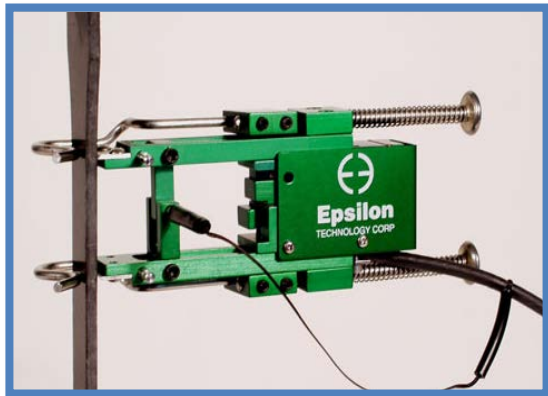
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General Purpose 10mm GL Axial Clip-on Extensometer

A series of clip-on strain gauge extensometer suitable for accurate contact measurement of axial strained specimens such as plastics, metals, composites and ceramics

Part Number	Product Number	Description
01/2917	STGA/10/10/E-ST	10mm Gauge Length with +10% Measuring Range
01/6000	STGA/10/20/E-ST	10mm Gauge Length with +20% / -10% Measuring Range
01/6001	STGA/10/25/E-ST	10mm Gauge Length with +25% / -10% Measuring Range
01/2959	STGA/10/50/E-ST	10mm Gauge Length with +50% / -10% Measuring Range
01/2991	STGA/10/100/E-ST	10mm Gauge Length with +100% / -10% Measuring Range
01/2917/LT	STGA/10/10/E-LT	10mm Gauge Length with +10% Measuring Range
01/6000/LT	STGA/10/20/E-LT	10mm Gauge Length with +2% / -10% Measuring Range
01/6001/LT	STGA/10/25/E-LT	10mm Gauge Length with +25% / -10% Measuring Range
01/2959/LT	STGA/10/50/E-LT	10mm Gauge Length with +50% / -10% Measuring Range
01/2991/LT	STGA/10/100/E-LT	10mm Gauge Length with +100% / -10% Measuring Range
01/2917/HT1	STGA/10/10/E-HT1	10mm Gauge Length with +10% Measuring Range
01/6000/HT1	STGA/10/20/E-HT1	10mm Gauge Length with +20% / -10% Measuring Range
01/6001/HT1	STGA/10/25/E-HT1	10mm Gauge Length with +25% / -10% Measuring Range
01/2959/HT1	STGA/10/50/E-HT1	10mm Gauge Length with +50% / -10% Measuring Range
01/2991/HT1	STGA/10/100/E-HT1	10mm Gauge Length with +100% / -10% Measuring Range
01/2917/HT2	STGA/10/10/E-HT2	10mm Gauge Length with +10% Measuring Range
01/6000/HT2	STGA/10/20/E-HT2	10mm Gauge Length with +20% / -10% Measuring Range
01/6001/HT2	STGA/10/25/E-HT2	10mm Gauge Length with +25% / -10% Measuring Range
01/2959/HT2	STGA/10/50/E-HT2	10mm Gauge Length with +50% / -10% Measuring Range
01/2991/HT2	STGA/10/100/E-HT2	10mm Gauge Length with +100% / -10% Measuring Range
01/2917/LHT	STGA/10/10/E-LHT	10mm Gauge Length with +10% Measuring Range
01/6000/LHT	STGA/10/20/E-LHT	10mm Gauge Length with +20% / -10% Measuring Range
01/6001/LHT	STGA/10/25/E-LHT	10mm Gauge Length with +25% / -10% Measuring Range
01/2959/LHT	STGA/10/50/E-LHT	10mm Gauge Length with +50% / -10% Measuring Range
01/2991/LHT	STGA/10/100/E-LHT	10mm Gauge Length with +100% / -10% Measuring Range



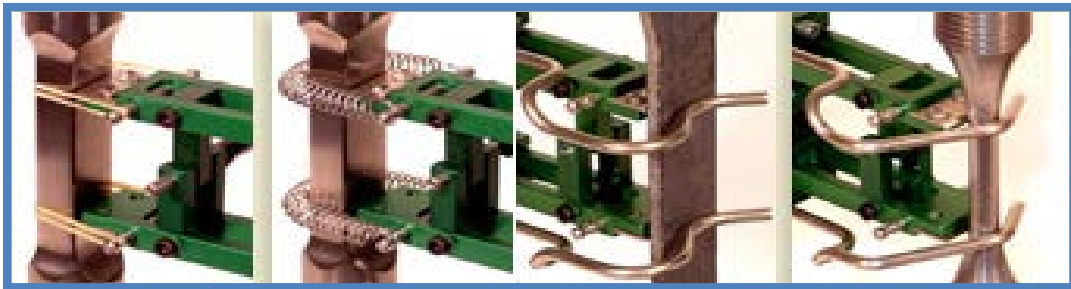
General Purpose 10mm GL Axial Clip-on Extensometer

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
Standard units meet existing ASTM class B-1 and ISO 9513, class 0,5 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Options
Quick attach kit wire-forms for large specimens
Adapter kits to change gauge lengths
Special coatings and stainless steel knife edges available for biomedical tests

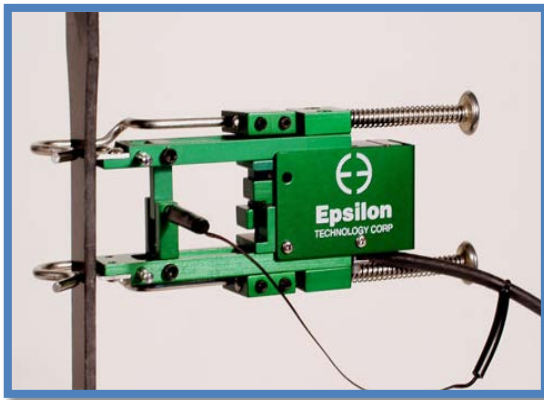
Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: 0.10% to 0.15% of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 30 g typical



General Purpose 12 mm GL Axial Clip-on Extensometer

A series of clip-on strain gauge extensometer suitable for accurate contact measurement of axial strained specimens such as plastics, metals, composites and ceramics

Part Number	Catalogue Number	Description
01/6007	STGA/12/5/E-ST	12mm Gauge Length with +5% Measuring Range
01/6008	STGA/12/10/E-ST	12mm Gauge Length with +10% / -10% Measuring Range
01/6009	STGA/12/20/E-ST	12mm Gauge Length with +20% / -10% Measuring Range
01/6010	STGA/12/25/E-ST	12mm Gauge Length with +25% / -10% Measuring Range
01/6011	STGA/12/50/E-ST	12mm Gauge Length with +50% / -10% Measuring Range
01/6012	STGA/12/100/E-ST	12mm Gauge Length with +100% / -10% Measuring Range
01/6007-LT	STGA/12/5/E-LT	12mm Gauge Length with +5% Measuring Range
01/6008-LT	STGA/12/10/E-LT	12mm Gauge Length with +10% Measuring Range
01/6009-LT	STGA/12/20/E-LT	12mm Gauge Length with +20% / -10% Measuring Range
01/6010-LT	STGA/12/25/E-LT	12mm Gauge Length with +25% / -10% Measuring Range
01/6011-LT	STGA/12/50/E-LT	12mm Gauge Length with +50% / -10% Measuring Range
01/6012-LT	STGA/12/100/E-LT	12mm Gauge Length with +100% / -10% Measuring Range
01/6007-HT1	STGA/12/5/E-HT1	12mm Gauge Length with +5% Measuring Range
01/6008-HT1	STGA/12/10/E-HT1	12mm Gauge Length with +10% Measuring Range
01/6009-HT1	STGA/12/20/E-HT1	12mm Gauge Length with +20% / -10% Measuring Range
01/6010-HT1	STGA/12/25/E-HT1	12mm Gauge Length with +25% / -10% Measuring Range
01/6011-HT1	STGA/12/50/E-HT1	12mm Gauge Length with +50% / -10% Measuring Range
01/6012-HT1	STGA/12/100/E-HT1	12mm Gauge Length with +100% / -10% Measuring Range
01/6007-HT2	STGA/12/5/E-HT2	12mm Gauge Length with +5% Measuring Range
01/6008-HT2	STGA/12/10/E-HT2	12mm Gauge Length with +10% Measuring Range
01/6009-HT2	STGA/12/20/E-HT2	12mm Gauge Length with +20% / -10% Measuring Range
01/6010-HT2	STGA/12/25/E-HT2	12mm Gauge Length with +25% / -10% Measuring Range
01/6011-HT2	STGA/12/50/E-HT2	12mm Gauge Length with +50% / -10% Measuring Range
01/6012-HT2	STGA/12/100/E-HT2	12mm Gauge Length with +100% / -10% Measuring Range
01/6007-LHT	STGA/12/5/E-LHT	12mm Gauge Length with +5% Measuring Range
01/6008-LHT	STGA/12/10/E-LHT	12mm Gauge Length with +10% Measuring Range
01/6009-LHT	STGA/12/20/E-LHT	12mm Gauge Length with +20% / -10% Measuring Range
01/6010-LHT	STGA/12/25/E-LHT	12mm Gauge Length with +25% / -10% Measuring Range
01/6011-LHT	STGA/12/50/E-LHT	12mm Gauge Length with +50% / -10% Measuring Range
01/6012-LHT	STGA/12/100/E-LHT	12mm Gauge Length with +100% / -10% Measuring Range



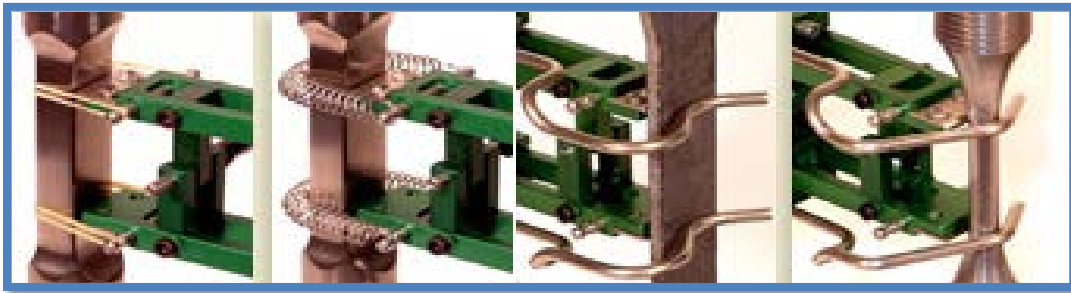
General Purpose 12 mm GL Axial Clip-on Extensometer

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine.
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
Standard units meet existing ASTM class B-1 and ISO 9513, class 0,5 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Options
Quick attach kit wire-forms for large specimens
Adapter kits to change gauge lengths
Special coatings and stainless steel knife edges available for biomedical tests

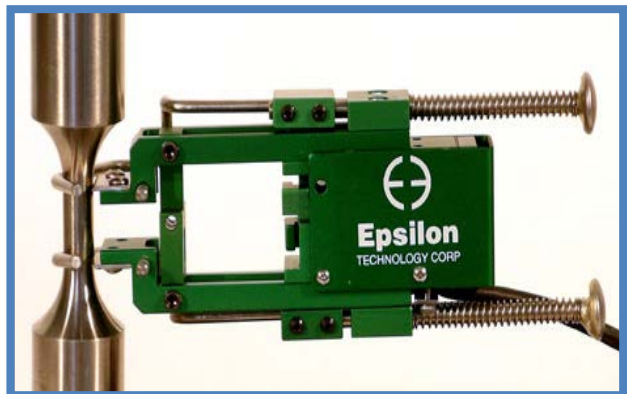
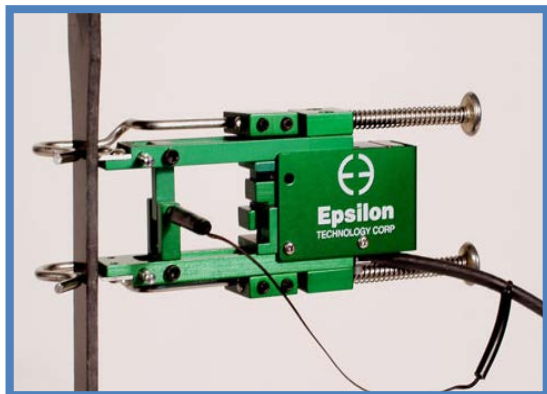
Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: 0.10% to 0.15% of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 30 g typical



General Purpose 12.5mm GL Axial Clip-on Extensometer

A series of clip-on strain gauge extensometer suitable for accurate contact measurement of axial strained specimens such as plastics, metals, composites and ceramics

Part Number	Catalogue Number	Description
01/6002	STGA/12.5/10/E-ST	12.5mm Gauge Length with +10% Measuring Range
01/6003	STGA/12.5/20/E-ST	12.5mm Gauge Length with +20% / -10% Measuring Range
01/6004	STGA/12.5/25/E-ST	12.5mm Gauge Length with +25% / -10% Measuring Range
01/6005	STGA/12.5/50/E-ST	12.5mm Gauge Length with +50% / -10% Measuring Range
01/6006	STGA/12.5/100/E-ST	12.5mm Gauge Length with +100% / -10% Measuring Range
01/6002-LT	STGA/12.5/10/E-LT	12.5mm Gauge Length with +10% Measuring Range
01/6003-LT	STGA/12.5/20/E-LT	12.5mm Gauge Length with +20% / -10% Measuring Range
01/6004-LT	STGA/12.5/25/E-LT	12.5mm Gauge Length with +25% / -10% Measuring Range
01/6005-LT	STGA/12.5/50/E-LT	12.5mm Gauge Length with +50% / -10% Measuring Range
01/6006-LT	STGA/12.5/100/E-LT	12.5mm Gauge Length with +100% / -10% Measuring Range
01/6002-HT1	STGA/12.5/10/E-HT1	12.5mm Gauge Length with +10% Measuring Range
01/6003-HT1	STGA/12.5/20/E-HT1	12.5mm Gauge Length with +20% / -10% Measuring Range
01/6004-HT1	STGA/12.5/25/E-HT1	12.5mm Gauge Length with +25% / -10% Measuring Range
01/6005-HT1	STGA/10/50/E-HT1	12.5mm Gauge Length with +50% / -10% Measuring Range
01/6006-HT1	STGA/12.5/100/E-HT1	12.5mm Gauge Length with +100% / -10% Measuring Range
01/6002-HT2	STGA/12.5/10/E-HT2	12.5mm Gauge Length with +10% Measuring Range
01/6003-HT2	STGA/12.5/20/E-HT2	12.5mm Gauge Length with +20% / -10% Measuring Range
01/6004-HT2	STGA/12.5/25/E-HT2	12.5mm Gauge Length with +25% / -10% Measuring Range
01/6005-HT2	STGA/12.5/50/E-HT2	12.5mm Gauge Length with +50% / -10% Measuring Range
01/6006-HT2	STGA/12.5/100/E-HT2	12.5mm Gauge Length with +100% / -10% Measuring Range
01/6002-LHT	STGA/12.5/10/E-LHT	12.5mm Gauge Length with +10% Measuring Range
01/6003-LHT	STGA/12.5/20/E-LHT	12.5mm Gauge Length with +20% / -10% Measuring Range
01/6004-LHT	STGA/12.5/25/E-LHT	12.5mm Gauge Length with +25% / -10% Measuring Range
01/6005-LHT	STGA/12.5/50/E-LHT	12.5mm Gauge Length with +50% / -10% Measuring Range
01/6006-LHT	STGA/12.5/100/E-LHT	12.5mm Gauge Length with +100% / -10% Measuring Range



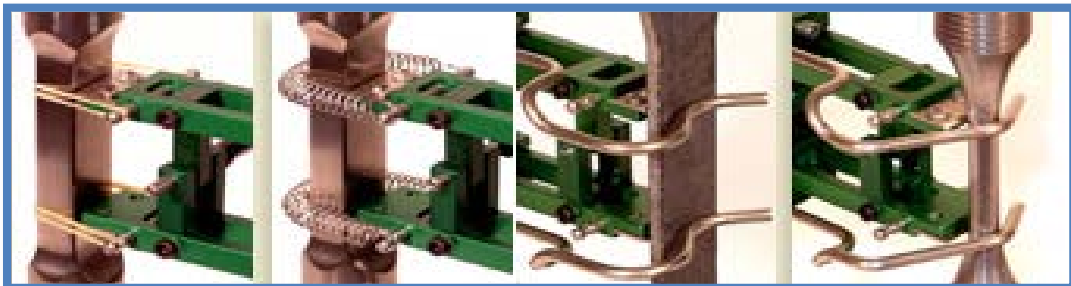
General Purpose 12.5mm GL Axial Clip-on Extensometer

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
Standard units meet existing ASTM class B-1 and ISO 9513, class 0,5 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Options
Quick attach kit wire-forms for large specimens
Adapter kits to change gauge lengths
Special coatings and stainless steel knife edges available for biomedical tests

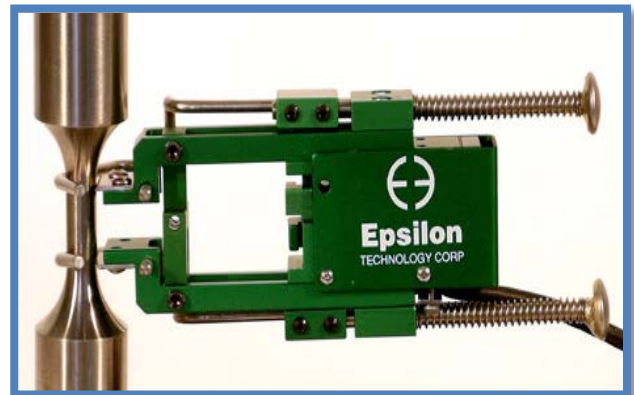
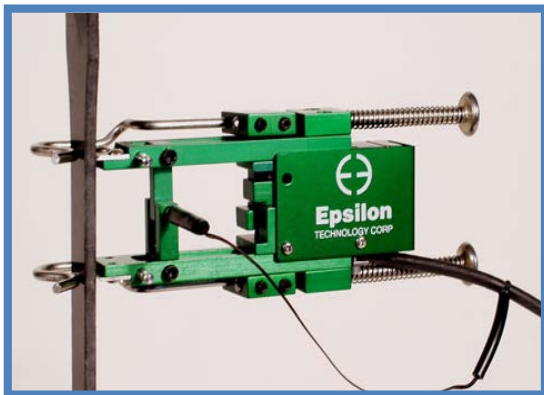
Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: 0.10% to 0.15% of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 30 g typical



General Purpose 25mm GL Axial Clip-on Extensometer

A series of clip-on strain gauge extensometer suitable for accurate contact measurement of axially strained specimens such as plastics, metals, composites and ceramics

Part Number	Catalogue Number	Description
01/2955	STGA/25/5/E-ST	25mm Gauge Length with +5% Measuring Range
01/2918	STGA/25/10/E-ST	25mm Gauge Length with +10% Measuring Range
01/6013	STGA/25/20/E-ST	25mm Gauge Length with +20% / -10% Measuring Range
01/2919	STGA/25/25/E-ST	25mm Gauge Length with +25% / -10% Measuring Range
01/2920	STGA/25/50/E-ST	25mm Gauge Length with +50% / -10% Measuring Range
01/2921	STGA/25/100/E-ST	25mm Gauge Length with +100% / -10% Measuring Range
01/2955-LT	STGA/25/5/E-LT	25mm Gauge Length with +5% Measuring Range
01/2918-LT	STGA/25/10/E-LT	25mm Gauge Length with +10% Measuring Range
01/6013-LT	STGA/25/20/E-LT	25mm Gauge Length with +20% / -10% Measuring Range
01/2919-LT	STGA/25/25/E-LT	25mm Gauge Length with +25% / -10% Measuring Range
01/2920-LT	STGA/25/50/E-LT	25mm Gauge Length with +50% / -10% Measuring Range
01/2921-LT	STGA/25/100/E-LT	25mm Gauge Length with +100% / -10% Measuring Range
01/2955-HT1	STGA/25/5/E-HT1	25mm Gauge Length with +5% Measuring Range
01/2918-HT1	STGA/25/10/E-HT1	25mm Gauge Length with +10% Measuring Range
01/6013-HT1	STGA/25/20/E-HT1	25mm Gauge Length with +20% / -10% Measuring Range
01/2919-HT1	STGA/25/25/E-HT1	25mm Gauge Length with +25% / -10% Measuring Range
01/2920-HT1	STGA/25/50/E-HT1	25mm Gauge Length with +50% / -10% Measuring Range
01/2921-HT1	STGA/25/100/E-HT1	25mm Gauge Length with +100% / -10% Measuring Range
01/2955-HT2	STGA/25/5/E-HT2	25mm Gauge Length with +5% Measuring Range
01/2918-HT2	STGA/25/10/E-HT2	25mm Gauge Length with +10% Measuring Range
01/6013-HT2	STGA/25/20/E-HT2	25mm Gauge Length with +20% / -10% Measuring Range
01/2919-HT2	STGA/25/25/E-HT2	25mm Gauge Length with +25% / -10% Measuring Range
01/2920-HT2	STGA/25/50/E-HT2	25mm Gauge Length with +50% / -10% Measuring Range
01/2921-HT2	STGA/25/100/E-HT2	25mm Gauge Length with +100% / -10% Measuring Range
01/2955-LHT	STGA/25/5/E-LHT	25mm Gauge Length with +5% Measuring Range
01/2918-LHT	STGA/25/10/E-LHT	25mm Gauge Length with +10% Measuring Range
01/6013-LHT	STGA/25/20/E-LHT	25mm Gauge Length with +20% / -10% Measuring Range
01/2919-LHT	STGA/25/25/E-LHT	25mm Gauge Length with +25% / -10% Measuring Range
01/2920-LHT	STGA/25/50/E-LHT	25mm Gauge Length with +50% / -10% Measuring Range
01/2921-LHT	STGA/25/100/E-LHT	25mm Gauge Length with +100% / -10% Measuring Range



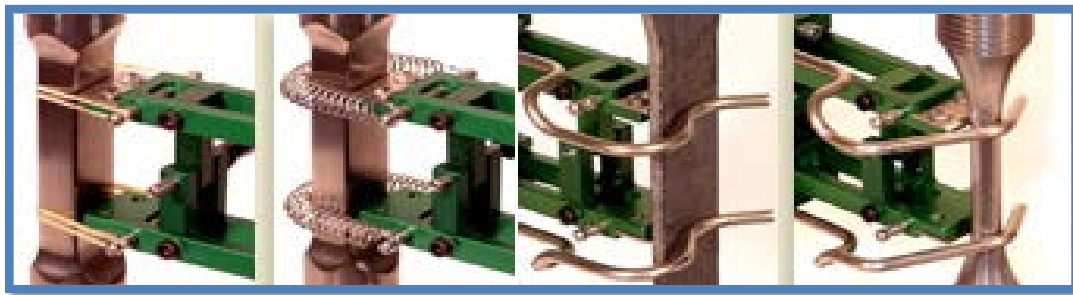
General Purpose 25mm GL Axial Clip-on Extensometer

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
Standard units meet existing ASTM class B-1 and ISO 9513, class 0,5 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

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Special coatings and stainless steel knife edges available for biomedical tests

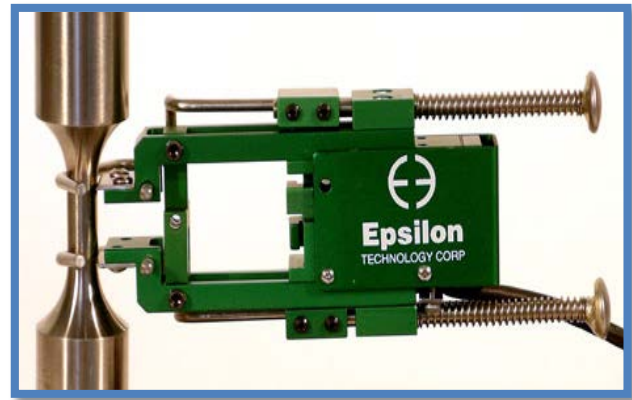
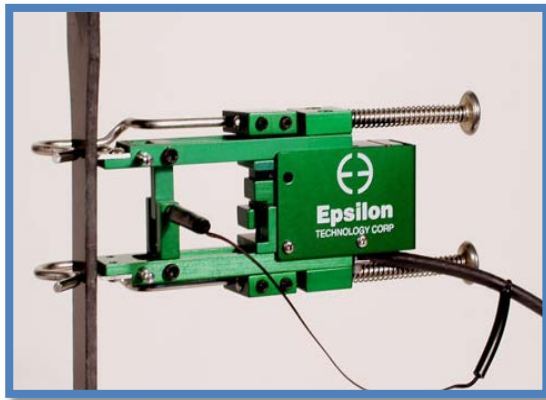
Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: 0.10% to 0.15% of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 30 g typical



General Purpose 50mm GL Axial Clip-on Extensometer

A series of clip-on strain gauge extensometer suitable for accurate contact measurement of axial strained specimens such as plastics, metals, composites and ceramics

Part Number	Catalogue Number	Description
01/2957	STGA/50/5/E-ST	50mm Gauge Length with +5% Measuring Range
01/3111	STGA/50/10/E-ST	50mm Gauge Length with +10% Measuring Range
01/6014	STGA/50/20/E-ST	50mm Gauge Length with +20% / -10% Measuring Range
01/2922	STGA/50/25/E-ST	50mm Gauge Length with +25% / -10% Measuring Range
01/2923	STGA/50/50/E-ST	50mm Gauge Length with +50% / -10% Measuring Range
01/2924	STGA/50/100/E-ST	50mm Gauge Length with +100% / -10% Measuring Range
01/2957-LT	STGA/50/5/E-LT	50mm Gauge Length with +5% Measuring Range
01/3111-LT	STGA/50/10/E-LT	50mm Gauge Length with +10% Measuring Range
01/6014-LT	STGA/50/20/E-LT	50mm Gauge Length with +20% / -10% Measuring Range
01/2922-LT	STGA/50/25/E-LT	50mm Gauge Length with +25% / -10% Measuring Range
01/2923-LT	STGA/50/50/E-LT	50mm Gauge Length with +50% / -10% Measuring Range
01/2924-LT	STGA/50/100/E-LT	50mm Gauge Length with +100% / -10% Measuring Range
01/2957-HT1	STGA/50/5/E-HT1	50mm Gauge Length with +5% Measuring Range
01/3111-HT1	STGA/50/10/E-HT1	50mm Gauge Length with +10% Measuring Range
01/6014-HT1	STGA/50/20/E-HT1	50mm Gauge Length with +20% / -10% Measuring Range
01/2922-HT1	STGA/50/25/E-HT1	50mm Gauge Length with +25% / -10% Measuring Range
01/2923-HT1	STGA/50/50/E-HT1	50mm Gauge Length with +50% / -10% Measuring Range
01/2924-HT1	STGA/50/100/E-HT1	50mm Gauge Length with +100% / -10% Measuring Range
01/2957-HT2	STGA/50/5/E-HT2	50mm Gauge Length with +5% Measuring Range
01/3111-HT2	STGA/50/10/E-HT2	50mm Gauge Length with +10% Measuring Range
01/6014-HT2	STGA/50/20/E-HT2	50mm Gauge Length with +20% / -10% Measuring Range
01/2922-HT2	STGA/50/25/E-HT2	50mm Gauge Length with +25% / -10% Measuring Range
01/2923-HT2	STGA/50/50/E-HT2	50mm Gauge Length with +50% / -10% Measuring Range
01/2924-HT2	STGA/50/100/E-HT2	50mm Gauge Length with +100% / -5% Measuring Range
01/2957-LHT	STGA/50/5/E-LHT	50mm Gauge Length with +5% Measuring Range
01/3111-LHT	STGA/50/10/E-LHT	50mm Gauge Length with +10% Measuring Range
01/6014-LHT	STGA/50/20/E-LHT	50mm Gauge Length with +20% / -10% Measuring Range
01/2922-LHT	STGA/50/25/E-LHT	50mm Gauge Length with +25% / -10% Measuring Range
01/2923-LHT	STGA/50/50/E-LHT	50mm Gauge Length with +50% / -10% Measuring Range
01/2924-LHT	STGA/50/100/E-LHT	50mm Gauge Length with +100% / -10% Measuring Range



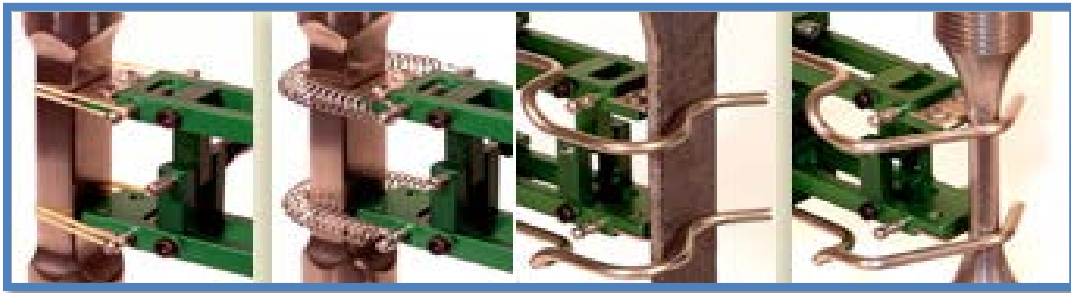
General Purpose 50mm GL Axial Clip-on Extensometer

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
Standard units meet existing ASTM class B-1 and ISO 9513, class 0,5 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Options
Quick attach kit wire-forms for large specimens
Adapter kits to change gauge lengths
Special coatings and stainless steel knife edges available for biomedical tests

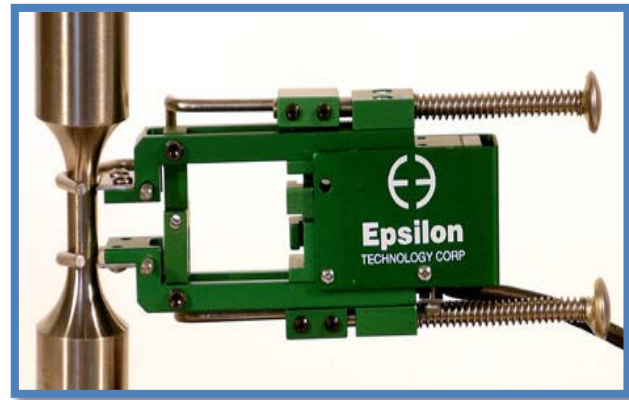
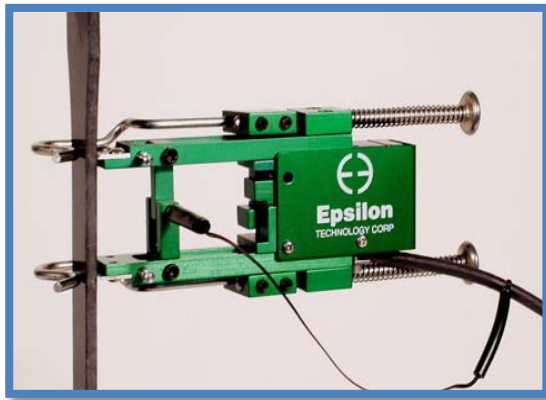
Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: 0.10% to 0.15% of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 30 g typical



General Purpose 80mm GL Axial Clip-on Extensometer

A series of clip-on strain gauge extensometer suitable for accurate contact measurement of axial strained specimens such as plastics, metals, composites and ceramics

Part Number	Catalogue Number	Description
01/6015	STGA/80/5/E-ST	80mm Gauge Length with +5% Measuring Range
01/2925	STGA/80/10/E-ST	80mm Gauge Length with +10% Measuring Range
01/6016	STGA/80/20/E-ST	80mm Gauge Length with +20% / -10% Measuring Range
01/2926	STGA/80/25/E-ST	80mm Gauge Length with +25% / -10% Measuring Range
01/3248	STGA/80/50/E-ST	80mm Gauge Length with +50% / -10% Measuring Range
01/6017	STGA/80/100/E-ST	80mm Gauge Length with +100% / -10% Measuring Range
01/6015-LT	STGA/80/5/E-LT	80mm Gauge Length with +5% Measuring Range
01/2925-LT	STGA/80/10/E-LT	80mm Gauge Length with +10% Measuring Range
01/6016-LT	STGA/80/20/E-LT	80mm Gauge Length with +20% / -10% Measuring Range
01/2926-LT	STGA/80/25/E-LT	80mm Gauge Length with +25% / -10% Measuring Range
01/3248-LT	STGA/80/50/E-LT	80mm Gauge Length with +50% / -10% Measuring Range
01/6017-LT	STGA/80/100/E-LT	80mm Gauge Length with +100% / -10% Measuring Range
01/6015-HT1	STGA/80/5/E-HT1	80mm Gauge Length with +5% Measuring Range
01/2925-HT1	STGA/80/10/E-HT1	80mm Gauge Length with +10% Measuring Range
01/6016-HT1	STGA/80/20/E-HT1	80mm Gauge Length with +20% / -10% Measuring Range
01/2926-HT1	STGA/80/25/E-HT1	80mm Gauge Length with +25% / -10% Measuring Range
01/3248-HT1	STGA/80/50/E-HT1	80mm Gauge Length with +50% / -10% Measuring Range
01/6017-HT1	STGA/80/100/E-HT1	80mm Gauge Length with +100% / -10% Measuring Range
01/6015-HT2	STGA/80/5/E-HT2	80mm Gauge Length with +5% Measuring Range
01/2925-HT2	STGA/80/10/E-HT2	80mm Gauge Length with +10% Measuring Range
01/6016-HT2	STGA/80/20/E-HT2	80mm Gauge Length with +20% / -10% Measuring Range
01/2926-HT2	STGA/80/25/E-HT2	80mm Gauge Length with +25% / -10% Measuring Range
01/3248-HT2	STGA/80/50/E-HT2	80mm Gauge Length with +50% / -10% Measuring Range
01/6017-HT2	STGA/80/100/E-HT2	80mm Gauge Length with +100% / -10% Measuring Range
01/6015-LHT	STGA/80/5/E-LHT	80mm Gauge Length with +5% Measuring Range
01/2925-LHT	STGA/80/10/E-LHT	80mm Gauge Length with +10% Measuring Range
01/6016-LHT	STGA/80/20/E-LHT	80mm Gauge Length with +20% / -10% Measuring Range
01/2926-LHT	STGA/80/25/E-LHT	80mm Gauge Length with +25% / -10% Measuring Range
01/3248-LHT	STGA/80/50/E-LHT	80mm Gauge Length with +50% / -10% Measuring Range
01/6017-LHT	STGA/80/100/E-LHT	80mm Gauge Length with +100% / -10% Measuring Range



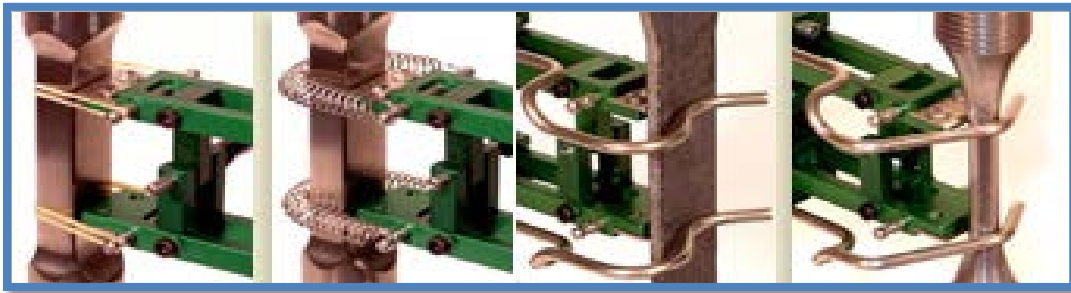
General Purpose 80mm GL Axial Clip-on Extensometer

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
Standard units meet existing ASTM class B-1 and ISO 9513, class 0,5 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Options
Quick attach kit wire-forms for large specimens
Adapter kits to change gauge lengths
Special coatings and stainless steel knife edges available for biomedical tests

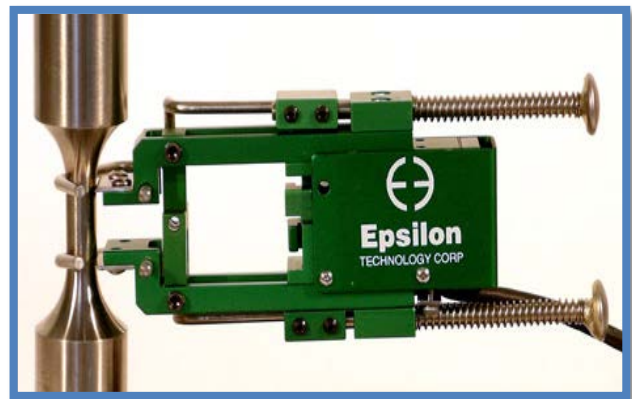
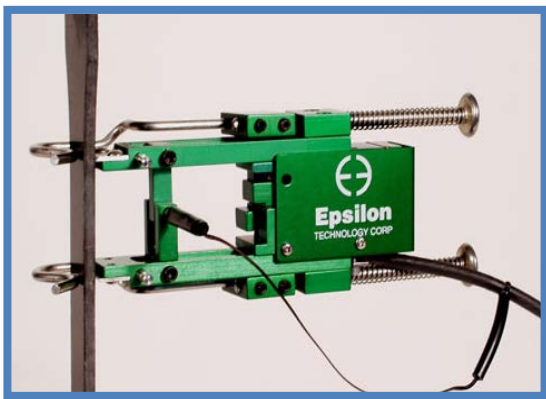
Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: 0.10% to 0.15% of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 30 g typical



General Purpose 0.5 inch GL Axial Clip-on Extensometer

A series of clip-on strain gauge extensometer suitable for accurate contact measurement of axial strained specimens such as plastics, metals, composites and ceramics

Part Number	Catalogue Number	Description
01/6018	STGA/0.5/10E-ST	0.5 inch Gauge Length with +10% Measuring Range
01/6019	STGA/0.5/20E-ST	0.5 inch Gauge Length with +20% / -10% Measuring Range
01/6020	STGA/0.5/25E-ST	0.5 inch Gauge Length with +25% / -10% Measuring Range
01/6021	STGA/0.5/50E-ST	0.5 inch Gauge Length with +50% / -10% Measuring Range
01/6022	STGA/0.5/100E-ST	0.5 inch Gauge Length with +100% / -10% Measuring Range
01/6018-LT	STGA/0.5/10E-LT	0.5 inch Gauge Length with +10% Measuring Range
01/6019-LT	STGA/0.5/20E-LT	0.5 inch Gauge Length with +2% / -10% Measuring Range
01/6020-LT	STGA/0.5/25E-LT	0.5 inch Gauge Length with +25% / -10% Measuring Range
01/6021-LT	STGA/0.5/50E-LT	0.5 inch Gauge Length with +50% / -10% Measuring Range
01/6022-LT	STGA/0.5/100E-LT	0.5 inch Gauge Length with +100% / -10% Measuring Range
01/6018-HT1	STGA/0.5/10E-HT1	0.5 inch Gauge Length with +10% Measuring Range
01/6019-HT1	STGA/0.5/20E-HT1	0.5 inch Gauge Length with +20% / -10% Measuring Range
01/6020-HT1	STGA/0.5/25E-HT1	0.5 inch Gauge Length with +25% / -10% Measuring Range
01/6021-HT1	STGA/0.5/50E-HT1	0.5 inch Gauge Length with +50% / -10% Measuring Range
01/6022-HT1	STGA/0.5/100E-HT1	0.5 inch Gauge Length with +100% / -10% Measuring Range
01/6018-HT2	STGA/0.5/10E-HT2	0.5 inch Gauge Length with +10% Measuring Range
01/6019-HT2	STGA/0.5/20E-HT2	0.5 inch Gauge Length with +20% / -10% Measuring Range
01/6020-HT2	STGA/0.5/25E-HT2	0.5 inch Gauge Length with +25% / -10% Measuring Range
01/6021-HT2	STGA/0.5/50E-HT2	0.5 inch Gauge Length with +50% / -10% Measuring Range
01/6022-HT2	STGA/0.5/100E-HT2	0.5 inch Gauge Length with +100% / -10% Measuring Range
01/6018-LHT	STGA/0.5/10E-LHT	0.5 inch Gauge Length with +10% Measuring Range
01/6019-LHT	STGA/0.5/20E-LHT	0.5 inch Gauge Length with +20% / -10% Measuring Range
01/6020-LHT	STGA/0.5/25E-LHT	0.5 inch Gauge Length with +25% / -10% Measuring Range
01/6021-LHT	STGA/0.5/50E-LHT	0.5 inch Gauge Length with +50% / -10% Measuring Range
01/6022-LHT	STGA/0.5/100E-LHT	0.5 inch Gauge Length with +100% / -10% Measuring Range



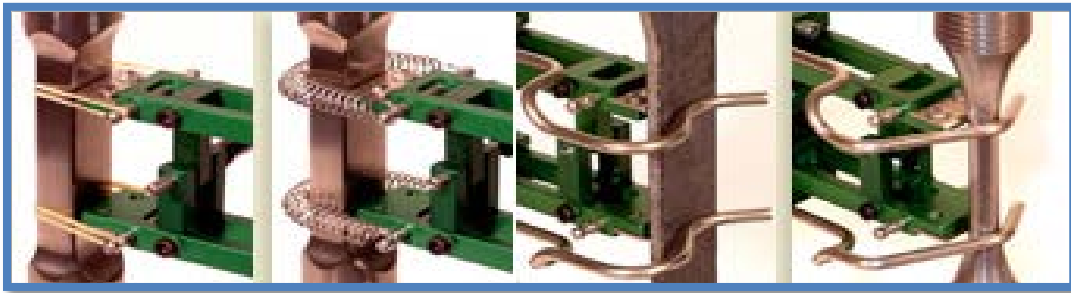
General Purpose 0.5 inch GL Axial Clip-on Extensometer

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
Standard units meet existing ASTM class B-1 and ISO 9513, class 0,5 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Options
Quick attach kit wire-forms for large specimens
Adapter kits to change gauge lengths
Special coatings and stainless steel knife edges available for biomedical tests

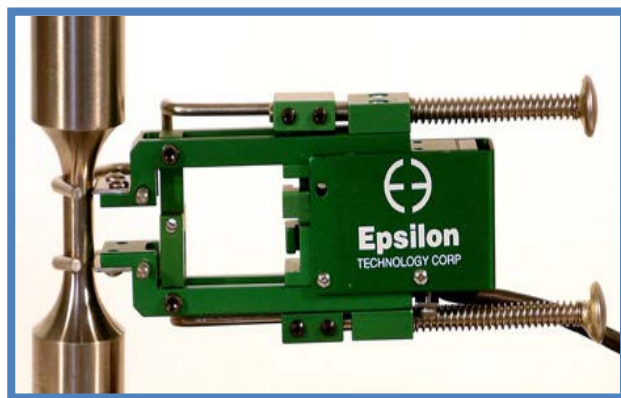
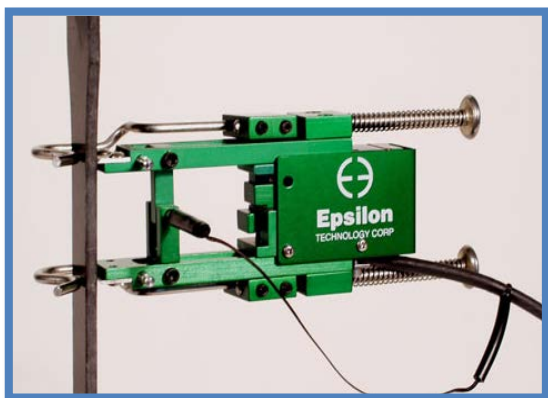
Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: 0.10% to 0.15% of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 30 g typical



General Purpose 0.64 inch GL Axial Clip-on Extensometer

A series of clip-on strain gauge extensometer suitable for accurate contact measurement of axial strained specimens such as plastics, metals, composites and ceramics

Part Number	Catalogue Number	Description
01/6023	STGA/0.64/5E-ST	0.64 inch Gauge Length with +5% Measuring Range
01/6024	STGA/0.64/10E-ST	0.64 inch Gauge Length with +10% Measuring Range
01/6025	STGA/0.64/20E-ST	0.64 inch Gauge Length with +20% / -10% Measuring Range
01/6026	STGA/0.64/25E-ST	0.64 inch Gauge Length with +25% / -10% Measuring Range
01/6027	STGA/0.64/50E-ST	0.64 inch Gauge Length with +50% / -10% Measuring Range
01/6028	STGA/0.64/100E-ST	0.64 inch Gauge Length with +100% / -10% Measuring Range
01/6023-LT	STGA/0.64/5E-LT	0.64 inch Gauge Length with +5% Measuring Range
01/6024-LT	STGA/0.64/10E-LT	0.64 inch Gauge Length with +10% Measuring Range
01/6025-LT	STGA/0.64/20E-LT	0.64 inch Gauge Length with +20% / -10% Measuring Range
01/6026-LT	STGA/0.64/25E-LT	0.64 inch Gauge Length with +25% / -10% Measuring Range
01/6027-LT	STGA/0.64/50E-LT	0.64 inch Gauge Length with +50% / -10% Measuring Range
01/6028-LT	STGA/0.64/100E-LT	0.64 inch Gauge Length with +100% / -10% Measuring Range
01/6023-HT1	STGA/0.64/5E-HT1	0.64 inch Gauge Length with +5% Measuring Range
01/6024-HT1	STGA/0.64/10E-HT1	0.64 inch Gauge Length with +10% Measuring Range
01/6025-HT1	STGA/0.64/20E-HT1	0.64 inch Gauge Length with +20% / -10% Measuring Range
01/6026-HT1	STGA/0.64/25E-HT1	0.64 inch Gauge Length with +25% / -10% Measuring Range
01/6027-HT1	STGA/0.64/50E-HT1	0.64 inch Gauge Length with +50% / -10% Measuring Range
01/6028-HT1	STGA/0.64/100E-HT1	0.64 inch Gauge Length with +100% / -10% Measuring Range
01/6023-HT2	STGA/0.64/5E-HT2	0.64 inch Gauge Length with +5% Measuring Range
01/6024-HT2	STGA/0.64/10E-HT2	0.64 inch Gauge Length with +10% Measuring Range
01/6025-HT2	STGA/0.64/20E-HT2	0.64 inch Gauge Length with +20% / -10% Measuring Range
01/6026-HT2	STGA/0.64/25E-HT2	0.64 inch Gauge Length with +25% / -10% Measuring Range
01/6027-HT2	STGA/0.64/50E-HT2	0.64 inch Gauge Length with +50% / -10% Measuring Range
01/6028-HT2	STGA/0.64/100E-HT2	0.64 inch Gauge Length with +100% / -10% Measuring Range
01/6023-LHT	STGA/0.64/5E-LHT	0.64 inch Gauge Length with +5% Measuring Range
01/6024-LHT	STGA/0.64/10E-LHT	0.64 inch Gauge Length with +10% Measuring Range
01/6025-LHT	STGA/0.64/20E-LHT	0.64 inch Gauge Length with +20% / -10% Measuring Range
01/6026-LHT	STGA/0.64/25E-LHT	0.64 inch Gauge Length with +25% / -10% Measuring Range
01/6027-LHT	STGA/0.64/50E-LHT	0.64 inch Gauge Length with +50% / -10% Measuring Range
01/6028-LHT	STGA/0.64/100E-LHT	0.64 inch Gauge Length with +100% / -10% Measuring Range



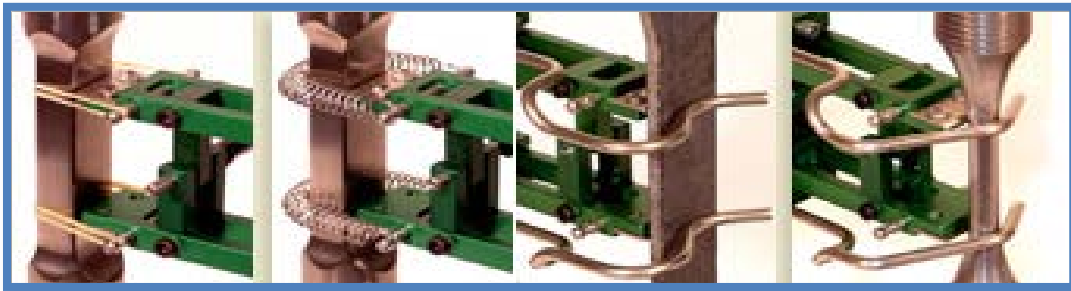
General Purpose 0.64 inch GL Axial Clip-on Extensometer

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
Standard units meet existing ASTM class B-1 and ISO 9513, class 0,5 requirements for accuracy
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Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Options
Quick attach kit wire-forms for large specimens
Adapter kits to change gauge lengths
Special coatings and stainless steel knife edges available for biomedical tests

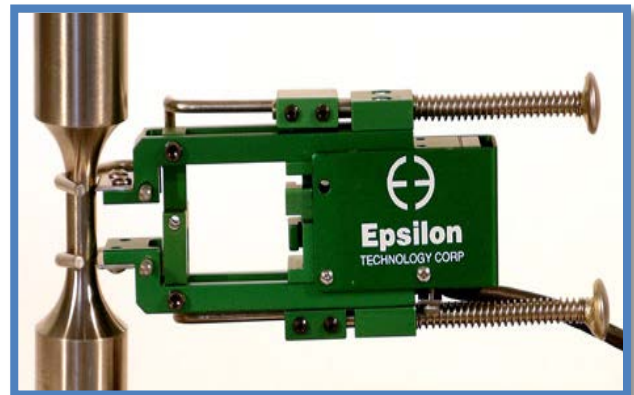
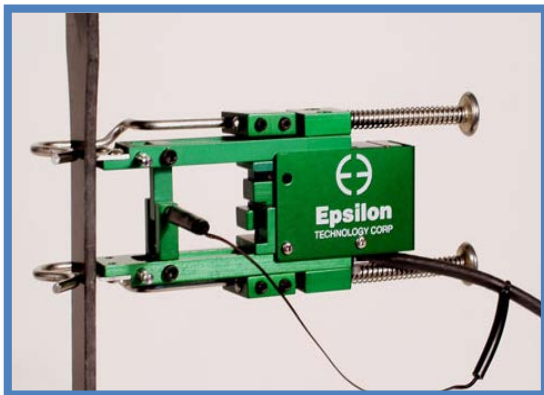
Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: 0.10% to 0.15% of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 30 g typical



General Purpose 1 inch GL Axial Clip-on Extensometer

A series of clip-on strain gauge extensometer suitable for accurate contact measurement of axial strained specimens such as plastics, metals, composites and ceramics

Part Number	Catalogue Number	Description
01/6029	STGA/1/5E-ST	1 inch Gauge Length with +5% Measuring Range
01/6030	STGA/1/10E-ST	1 inch Gauge Length with +10% Measuring Range
01/6031	STGA/1/20E-ST	1 inch Gauge Length with +20% / -10% Measuring Range
01/6032	STGA/1/25E-ST	1 inch Gauge Length with +25% / -10% Measuring Range
01/6033	STGA/1/50E-ST	1 inch Gauge Length with +50% / -10% Measuring Range
01/6034	STGA/1/100E-ST	1 inch Gauge Length with +100% / -10% Measuring Range
01/6029-LT	STGA/1/5E-LT	1 inch Gauge Length with +5% Measuring Range
01/6030-LT	STGA/1/10E-LT	1 inch Gauge Length with +10% Measuring Range
01/6031-LT	STGA/1/20E-LT	1 inch Gauge Length with +20% / -10% Measuring Range
01/6032-LT	STGA/1/25E-LT	1 inch Gauge Length with +25% / -10% Measuring Range
01/6033-LT	STGA/1/50E-LT	1 inch Gauge Length with +50% / -10% Measuring Range
01/6034-LT	STGA/1/100E-LT	1 inch Gauge Length with +100% / -10% Measuring Range
01/6029-HT1	STGA/1/5E-HT1	1 inch Gauge Length with +5% Measuring Range
01/6030-HT1	STGA/1/10E-HT1	1 inch Gauge Length with +10% Measuring Range
01/6031-HT1	STGA/1/20E-HT1	1 inch Gauge Length with +20% / -10% Measuring Range
01/6032-HT1	STGA/1/25E-HT1	1 inch Gauge Length with +25% / -10% Measuring Range
01/6033-HT1	STGA/1/50E-HT1	1 inch Gauge Length with +50% / -10% Measuring Range
01/6034-HT1	STGA/1/100E-HT1	1 inch Gauge Length with +100% / -10% Measuring Range
01/6029-HT2	STGA/1/5E-HT2	1 inch Gauge Length with +5% Measuring Range
01/6030-HT2	STGA/1/10E-HT2	1 inch Gauge Length with +10% Measuring Range
01/6031-HT2	STGA/1/20E-HT2	1 inch Gauge Length with +20% / -10% Measuring Range
01/6032-HT2	STGA/1/25E-HT2	1 inch Gauge Length with +25% / -10% Measuring Range
01/6033-HT2	STGA/1/50E-HT2	1 inch Gauge Length with +50% / -10% Measuring Range
01/6034-HT2	STGA/1/100E-HT2	1 inch Gauge Length with +100% / -10% Measuring Range
01/6029-LHT	STGA/1/5E-LHT	1 inch Gauge Length with +5% Measuring Range
01/6030-LHT	STGA/1/10E-LHT	1 inch Gauge Length with +10% Measuring Range
01/6031-LHT	STGA/1/20E-LHT	1 inch Gauge Length with +20% / -10% Measuring Range
01/6032-LHT	STGA/1/25E-LHT	1 inch Gauge Length with +25% / -10% Measuring Range
01/6033-LHT	STGA/1/50E-LHT	1 inch Gauge Length with +50% / -10% Measuring Range
01/6034-LHT	STGA/1/100E-LHT	1 inch Gauge Length with +100% / -10% Measuring Range



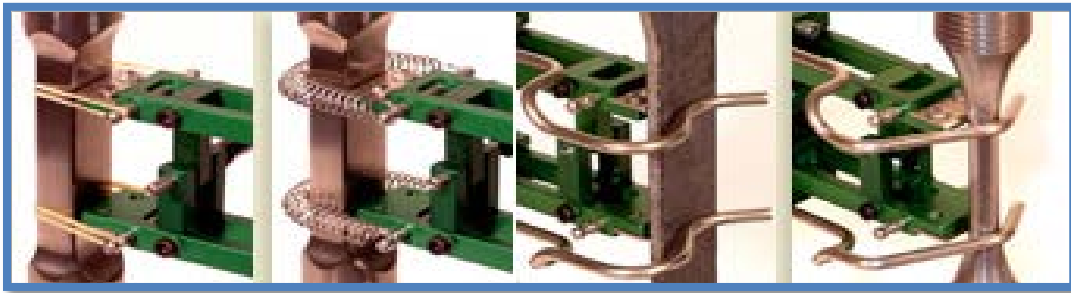
General Purpose 1 inch GL Axial Clip-on Extensometer

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
Standard units meet existing ASTM class B-1 and ISO 9513, class 0,5 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Options
Quick attach kit wire-forms for large specimens
Adapter kits to change gauge lengths
Special coatings and stainless steel knife edges available for biomedical tests

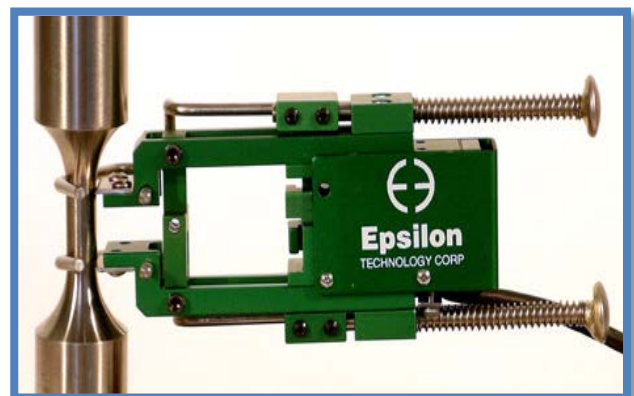
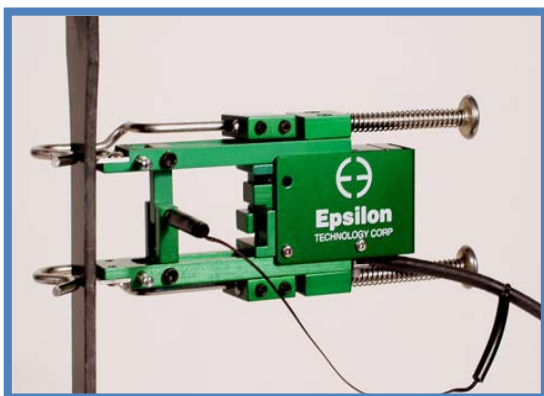
Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: 0.10% to 0.15% of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 30 g typical



General Purpose 1.4 inch GL Axial Clip-on Extensometer

A series of clip-on strain gauge extensometer suitable for accurate contact measurement of axial strained specimens such as plastics, metals, composites and ceramics

Part Number	Catalogue Number	Description
01/6035	STGA/1.4/5E-ST	1.4 inch Gauge Length with +5% Measuring Range
01/6036	STGA/1.4/10E-ST	1.4 inch Gauge Length with +10% Measuring Range
01/6037	STGA/1.4/20E-ST	1.4 inch Gauge Length with +20% / -10% Measuring Range
01/6038	STGA/1.4/25E-ST	1.4 inch Gauge Length with +25% / -10% Measuring Range
01/6039	STGA/1.4/50E-ST	1.4 inch Gauge Length with +50% / -10% Measuring Range
01/6040	STGA/1.4/100E-ST	1.4 inch Gauge Length with +100% / -10% Measuring Range
01/6035-LT	STGA/1.4/5E-LT	1.4 inch Gauge Length with +5% Measuring Range
01/6036-LT	STGA/1.4/10E-LT	1.4 inch Gauge Length with +10% Measuring Range
01/6037-LT	STGA/1.4/20E-LT	1.4 inch Gauge Length with +20% / -10% Measuring Range
01/6038-LT	STGA/1.4/25E-LT	1.4 inch Gauge Length with +25% / -10% Measuring Range
01/6039-LT	STGA/1.4/50E-LT	1.4 inch Gauge Length with +50% / -10% Measuring Range
01/6040-LT	STGA/1.4/100E-LT	1.4 inch Gauge Length with +100% / -10% Measuring Range
01/6035-HT1	STGA/1.4/5E-HT1	1.4 inch Gauge Length with +5% Measuring Range
01/6036-HT1	STGA/1.4/10E-HT1	1.4 inch Gauge Length with +10% Measuring Range
01/6037-HT1	STGA/1.4/20E-HT1	1.4 inch Gauge Length with +20% / -10% Measuring Range
01/6038-HT1	STGA/1.4/25E-HT1	1.4 inch Gauge Length with +25% / -10% Measuring Range
01/6039-HT1	STGA/1.4/50E-HT1	1.4 inch Gauge Length with +50% / -10% Measuring Range
01/6040-HT1	STGA/1.4/100E-HT1	1.4 inch Gauge Length with +100% / -10% Measuring Range
01/6035-HT2	STGA/1.4/5E-HT2	1.4 inch Gauge Length with +5% Measuring Range
01/6036-HT2	STGA/1.4/10E-HT2	1.4 inch Gauge Length with +10% Measuring Range
01/6037-HT2	STGA/1.4/20E-HT2	1.4 inch Gauge Length with +20% / -10% Measuring Range
01/6038-HT2	STGA/1.4/25E-HT2	1.4 inch Gauge Length with +25% / -10% Measuring Range
01/6039-HT2	STGA/1.4/50E-HT2	1.4 inch Gauge Length with +50% / -10% Measuring Range
01/6040-HT2	STGA/1.4/100E-HT2	1.4 inch Gauge Length with +100% / -10% Measuring Range
01/6035-LHT	STGA/1.4/5E-LHT	1.4 inch Gauge Length with +5% Measuring Range
01/6036-LHT	STGA/1.4/10E-LHT	1.4 inch Gauge Length with +10% Measuring Range
01/6037-LHT	STGA/1.4/20E-LHT	1.4 inch Gauge Length with +20% / -10% Measuring Range
01/6038-LHT	STGA/1.4/25E-LHT	1.4 inch Gauge Length with +25% / -10% Measuring Range
01/6039-LHT	STGA/1.4/50E-LHT	1.4 inch Gauge Length with +50% / -10% Measuring Range
01/6040-LHT	STGA/1.4/100E-LHT	1.4 inch Gauge Length with +100% / -10% Measuring Range



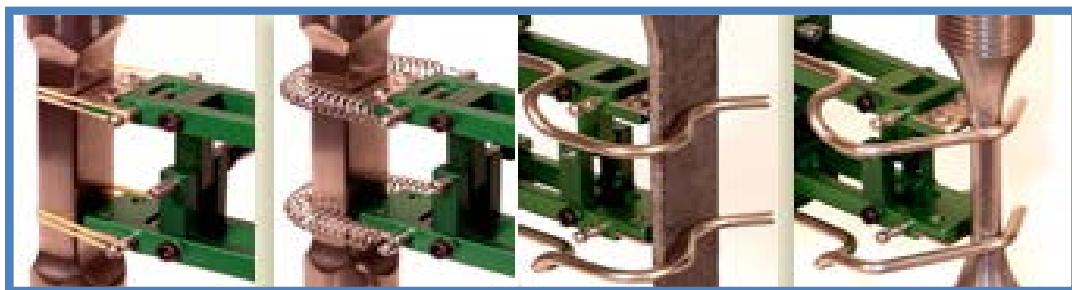
General Purpose 1.4 inch GL Axial Clip-on Extensometer

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
Standard units meet existing ASTM class B-1 and ISO 9513, class 0,5 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Options
Quick attach kit wire-forms for large specimens
Adapter kits to change gauge lengths
Special coatings and stainless steel knife edges available for biomedical tests

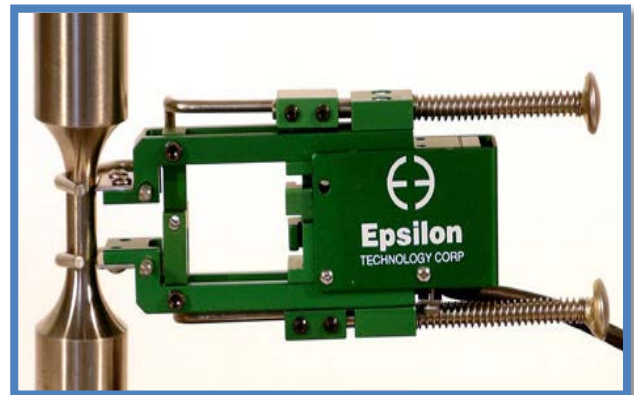
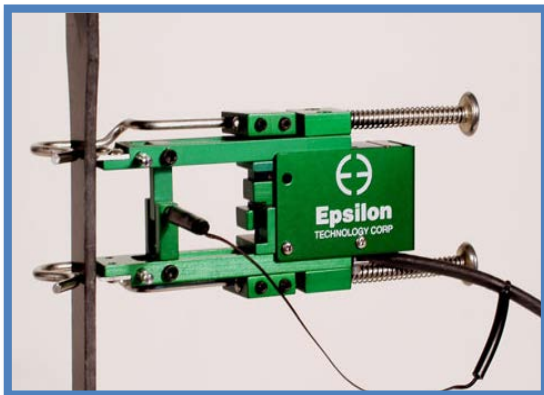
Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: 0.10% to 0.15% of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 30 g typical



General Purpose 2 inch GL Axial Clip-on Extensometer

A series of clip-on strain gauge extensometer suitable for accurate contact measurement of axial strained specimens such as plastics, metals, composites and ceramics

Part Number	Catalogue Number	Description
01/6041	STGA/2/5E-ST	2 inch Gauge Length with +5% Measuring Range
01/6042	STGA/2/10E-ST	2 inch Gauge Length with +10% Measuring Range
01/6043	STGA/2/20E-ST	2 inch Gauge Length with +20% / -10% Measuring Range
01/6044	STGA/2/25E-ST	2 inch Gauge Length with +25% / -10% Measuring Range
01/6045	STGA/2/50E-ST	2 inch Gauge Length with +50% / -10% Measuring Range
01/6046	STGA/2/100E-ST	2 inch Gauge Length with +100% / -10% Measuring Range
01/6041-LT	STGA/2/5E-LT	2 inch Gauge Length with +5% Measuring Range
01/6042-LT	STGA/2/10E-LT	2 inch Gauge Length with +10% Measuring Range
01/6043-LT	STGA/2/20E-LT	2 inch Gauge Length with +20% / -10% Measuring Range
01/6044-LT	STGA/2/25E-LT	2 inch Gauge Length with +25% / -10% Measuring Range
01/6045-LT	STGA/2/50E-LT	2 inch Gauge Length with +50% / -10% Measuring Range
01/6046-LT	STGA/2/100E-LT	2 inch Gauge Length with +100% / -10% Measuring Range
01/6041-HT1	STGA/2/5E-HT1	2 inch Gauge Length with +5% Measuring Range
01/6042-HT1	STGA/2/10E-HT1	2 inch Gauge Length with +10% Measuring Range
01/6043-HT1	STGA/2/20E-HT1	2 inch Gauge Length with +20% / -10% Measuring Range
01/6044-HT1	STGA/2/25E-HT1	2 inch Gauge Length with +25% / -10% Measuring Range
01/6045-HT1	STGA/2/50E-HT1	2 inch Gauge Length with +50% / -10% Measuring Range
01/6046-HT1	STGA/2/100E-HT1	2 inch Gauge Length with +100% / -10% Measuring Range
01/6041-HT2	STGA/2/5E-HT2	2 inch Gauge Length with +5% Measuring Range
01/6042-HT2	STGA/2/10E-HT2	2 inch Gauge Length with +10% Measuring Range
01/6043-HT2	STGA/2/20E-HT2	2 inch Gauge Length with +20% / -10% Measuring Range
01/6044-HT2	STGA/2/25E-HT2	2 inch Gauge Length with +25% / -10% Measuring Range
01/6045-HT2	STGA/2/50E-HT2	2 inch Gauge Length with +50% / -10% Measuring Range
01/6046-HT2	STGA/2/100E-HT2	2 inch Gauge Length with +100% / -10% Measuring Range
01/6041-LHT	STGA/2/5E-LHT	2 inch Gauge Length with +5% Measuring Range
01/6042-LHT	STGA/2/10E-LHT	2 inch Gauge Length with +10% Measuring Range
01/6043-LHT	STGA/2/20E-LHT	2 inch Gauge Length with +20% / -10% Measuring Range
01/6044-LHT	STGA/2/25E-LHT	2 inch Gauge Length with +25% / -10% Measuring Range
01/6045-LHT	STGA/2/50E-LHT	2 inch Gauge Length with +50% / -10% Measuring Range
01/6046-LHT	STGA/2/100E-LHT	2 inch Gauge Length with +100% / -10% Measuring Range



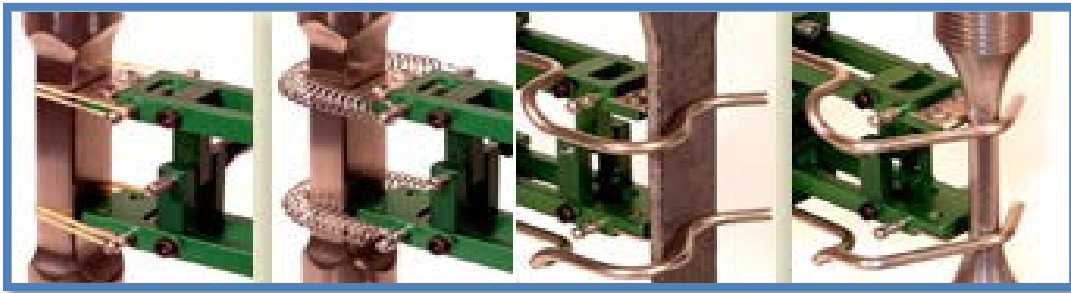
General Purpose 2 inch GL Axial Clip-on Extensometer

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
Standard units meet existing ASTM class B-1 and ISO 9513, class 0,5 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Options
Quick attach kit wire-forms for large specimens
Adapter kits to change gauge lengths
Special coatings and stainless steel knife edges available for biomedical tests

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: 0.10% to 0.15% of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 30 g typical



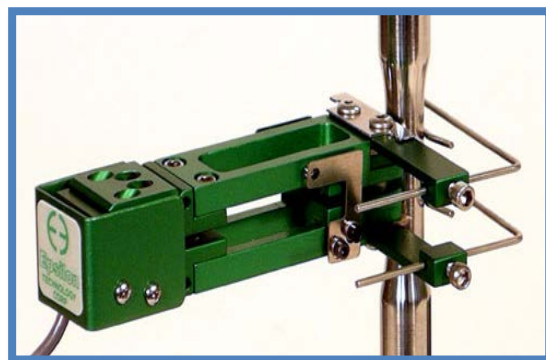
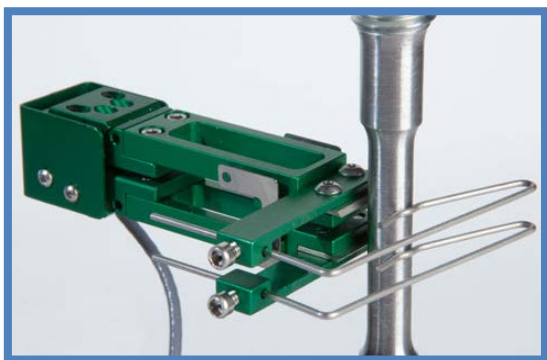
Miniature 3 mm GL Clip-on Extensometer

Very small and rugged, yet ultra-light weight, these units are widely used for testing small and delicate samples. Ideal for many biomedical tests, as well as for wire and thin sheet materials

Weighing as little as 8 grams, these tiny extensometers have very low operating force, resulting in low specimen contact force and influence

Most are only 0.6 inches tall (15.25 mm). These extensometers will fit in the small space between grips, which usually results when small test samples are used

Part Number	Catalogue Number	Description
01/6110	MSTGA/3/10E-ST	3 mm Gauge Length with +10% Measuring Range
01/6111	MSTGA/3/20E-ST	3 mm Gauge Length with +20% / -10% Measuring Range
01/6112	MSTGA/3/25E-ST	3 mm Gauge Length with +25% / -10% Measuring Range
01/6113	MSTGA/3/50E-ST	3 mm Gauge Length with +50% / -5% Measuring Range
01/6114	MSTGA/3/100E-ST	3 mm Gauge Length with +100% / -5% Measuring Range
01/6110-LT	MSTGA/3/10E-LT	3 mm Gauge Length with +10% Measuring Range
01/6111-LT	MSTGA/3/20E-LT	3 mm Gauge Length with +20% / -10% Measuring Range
01/6112-LT	MSTGA/3/25E-LT	3 mm Gauge Length with +25% / -10% Measuring Range
01/6113-LT	MSTGA/3/50E-LT	3 mm Gauge Length with +50% / -5% Measuring Range
01/6114-LT	MSTGA/3/100E-LT	3 mm Gauge Length with +100% / -5% Measuring Range
01/6110-HT1	MSTGA/3/10E-HT1	3 mm Gauge Length with +10% Measuring Range
01/6111-HT1	MSTGA/3/20E-HT1	3 mm Gauge Length with +20% / -10% Measuring Range
01/6112-HT1	MSTGA/3/25E-HT1	3 mm Gauge Length with +25% / -10% Measuring Range
01/6113-HT1	MSTGA/3/50E-HT1	3 mm Gauge Length with +50% / -5% Measuring Range
01/6114-HT1	MSTGA/3/100E-HT1	3 mm Gauge Length with +100% / -5% Measuring Range
01/6110-HT2	MSTGA/3/10E-HT2	3 mm Gauge Length with +10% Measuring Range
01/6111-HT2	MSTGA/3/20E-HT2	3 mm Gauge Length with +20% / -10% Measuring Range
01/6112-HT2	MSTGA/3/25E-HT2	3 mm Gauge Length with +25% / -10% Measuring Range
01/6113-HT2	MSTGA/3/50E-HT2	3 mm Gauge Length with +50% / -5% Measuring Range
01/6114-HT2	MSTGA/3/100E-HT2	3 mm Gauge Length with +100% / -5% Measuring Range
01/6110-LHT	MSTGA/3/10E-LHT	3 mm Gauge Length with +10% Measuring Range
01/6111-LHT	MSTGA/3/20E-LHT	3 mm Gauge Length with +20% / -10% Measuring Range
01/6112-LHT	MSTGA/3/25E-LHT	3 mm Gauge Length with +25% / -10% Measuring Range
01/6113-LHT	MSTGA/3/50E-LHT	3 mm Gauge Length with +50% / -5% Measuring Range
01/6114-LHT	MSTGA/3/100E-LHT	3 mm Gauge Length with +100% / -5% Measuring Range



Miniature 3 mm GL Clip-on Extensometer

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
Standard units meet existing ASTM class B-1 and ISO 9513, class 0,5 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Options
Adapter kits to change gauge lengths
Special coatings and stainless steel knife edges available for biomedical tests

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: 0.10% to 0.15% of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 20 g typical



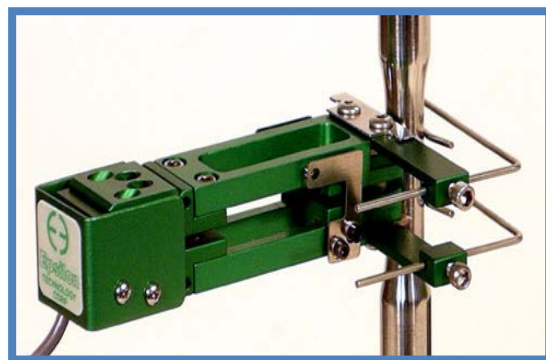
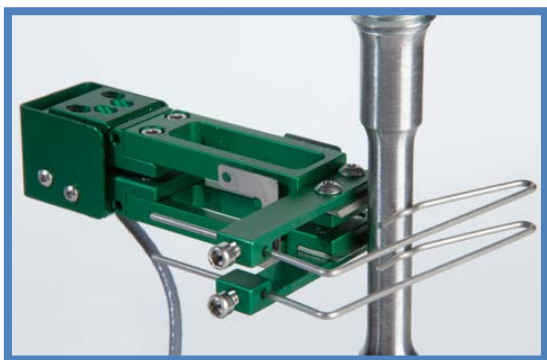
Miniature 4 mm GL Clip-on Extensometer

Very small and rugged, yet ultra-light weight, these units are widely used for testing small and delicate samples. Ideal for many biomedical tests, as well as for wire and thin sheet materials

Weighing as little as 8 grams, these tiny extensometers have very low operating force, resulting in low specimen contact force and influence

Most are only 0.6 inches tall (15.25 mm). These extensometers will fit in the small space between grips, which usually results when small test samples are used

Part Number	Catalogue Number	Description
01/6115	MSTGA/4/10E-ST	4 mm Gauge Length with +10% Measuring Range
01/6116	MSTGA/4/20E-ST	4 mm Gauge Length with +20% / -10% Measuring Range
01/6117	MSTGA/4/25E-ST	4 mm Gauge Length with +25% / -10% Measuring Range
01/6118	MSTGA/4/50E-ST	4 mm Gauge Length with +50% / -5% Measuring Range
01/6119	MSTGA/4/100E-ST	4 mm Gauge Length with +100% / -5% Measuring Range
01/6115-LT	MSTGA/4/10E-LT	4 mm Gauge Length with +10% Measuring Range
01/6116-LT	MSTGA/4/20E-LT	4 mm Gauge Length with +20% / -10% Measuring Range
01/6117-LT	MSTGA/4/25E-LT	4 mm Gauge Length with +25% / -10% Measuring Range
01/6118-LT	MSTGA/4/50E-LT	4 mm Gauge Length with +50% / -5% Measuring Range
01/6119-LT	MSTGA/4/100E-LT	4 mm Gauge Length with +100% / -5% Measuring Range
01/6115-HT1	MSTGA/4/10E-HT1	4 mm Gauge Length with +10% Measuring Range
01/6116-HT1	MSTGA/4/20E-HT1	4 mm Gauge Length with +20% / -10% Measuring Range
01/6117-HT1	MSTGA/4/25E-HT1	4 mm Gauge Length with +25% / -10% Measuring Range
01/6118-HT1	MSTGA/4/50E-HT1	4 mm Gauge Length with +50% / -5% Measuring Range
01/6119-HT1	MSTGA/4/100E-HT1	4 mm Gauge Length with +100% / -5% Measuring Range
01/6115-HT2	MSTGA/4/10E-HT2	4 mm Gauge Length with +10% Measuring Range
01/6116-HT2	MSTGA/4/20E-HT2	4 mm Gauge Length with +20% / -10% Measuring Range
01/6117-HT2	MSTGA/4/25E-HT2	4 mm Gauge Length with +25% / -10% Measuring Range
01/6118-HT2	MSTGA/4/50E-HT2	4 mm Gauge Length with +50% / -5% Measuring Range
01/6119-HT2	MSTGA/4/100E-HT2	4 mm Gauge Length with +100% / -5% Measuring Range
01/6115-LHT	MSTGA/4/10E-LHT	4 mm Gauge Length with +10% Measuring Range
01/6116-LHT	MSTGA/4/20E-LHT	4 mm Gauge Length with +20% / -10% Measuring Range
01/6117-LHT	MSTGA/4/25E-LHT	4 mm Gauge Length with +25% / -10% Measuring Range
01/6118-LHT	MSTGA/4/50E-LHT	4 mm Gauge Length with +50% / -5% Measuring Range
01/6119-LHT	MSTGA/4/100E-LHT	4 mm Gauge Length with +100% / -5% Measuring Range



Miniature 4 mm GL Clip-on Extensometer

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
Standard units meet existing ASTM class B-1 and ISO 9513, class 0,5 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Options
Adapter kits to change gauge lengths
Special coatings and stainless steel knife edges available for biomedical tests

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: 0.10% to 0.15% of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 20 g typical



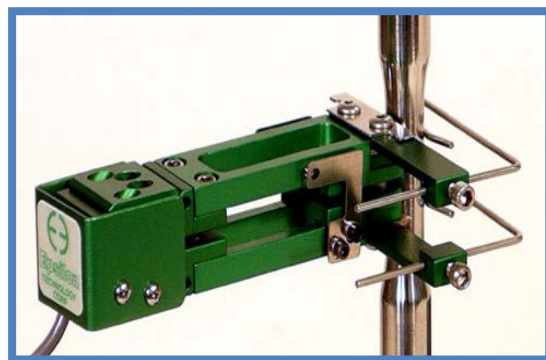
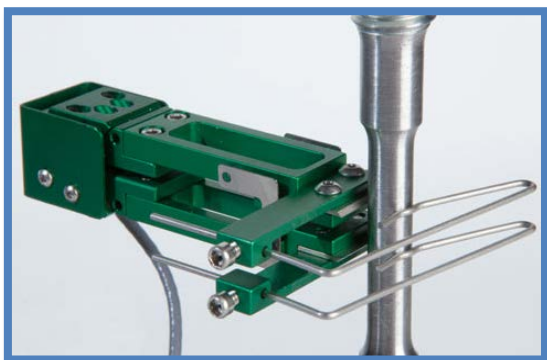
Miniature 5 mm GL Clip-on Extensometer

Very small and rugged, yet ultra-light weight, these units are widely used for testing small and delicate samples. Ideal for many biomedical tests, as well as for wire and thin sheet materials

Weighing as little as 8 grams, these tiny extensometers have very low operating force, resulting in low specimen contact force and influence

Most are only 0.6 inches tall (15.25 mm). These extensometers will fit in the small space between grips, which usually results when small test samples are used

Part Number	Catalogue Number	Description
01/6120	MSTGA/5/5E-ST	5 mm Gauge Length with +5% Measuring Range
01/6121	MSTGA/5/10E-ST	5 mm Gauge Length with +10% Measuring Range
01/6122	MSTGA/5/20E-ST	5 mm Gauge Length with +20% / -10% Measuring Range
01/6123	MSTGA/5/25E-ST	5 mm Gauge Length with +25% / -10% Measuring Range
01/6124	MSTGA/5/50E-ST	5 mm Gauge Length with +50% / -5% Measuring Range
01/6125	MSTGA/5/100E-ST	5 mm Gauge Length with +100% / -5% Measuring Range
01/6120-LT	MSTGA/5/5E-LT	5 mm Gauge Length with +5% Measuring Range
01/6121-LT	MSTGA/5/10E-LT	5 mm Gauge Length with +10% Measuring Range
01/6122-LT	MSTGA/5/20E-LT	5 mm Gauge Length with +20% / -10% Measuring Range
01/6123-LT	MSTGA/5/25E-LT	5 mm Gauge Length with +25% / -10% Measuring Range
01/6124-LT	MSTGA/5/50E-LT	5 mm Gauge Length with +50% / -5% Measuring Range
01/6125-LT	MSTGA/5/100E-LT	5 mm Gauge Length with +100% / -5% Measuring Range
01/6120-HT1	MSTGA/5/5E-HT1	5 mm Gauge Length with +5% Measuring Range
01/6121-HT1	MSTGA/5/10E-HT1	5 mm Gauge Length with +10% Measuring Range
01/6122-HT1	MSTGA/5/20E-HT1	5 mm Gauge Length with +20% / -10% Measuring Range
01/6123-HT1	MSTGA/5/25E-HT1	5 mm Gauge Length with +25% / -10% Measuring Range
01/6124-HT1	MSTGA/5/50E-HT1	5 mm Gauge Length with +50% / -5% Measuring Range
01/6125-HT1	MSTGA/5/100E-HT1	5 mm Gauge Length with +100% / -5% Measuring Range
01/6120-HT2	MSTGA/5/5E-HT2	5 mm Gauge Length with +5% Measuring Range
01/6121-HT2	MSTGA/5/10E-HT2	5 mm Gauge Length with +10% Measuring Range
01/6122-HT2	MSTGA/5/20E-HT2	5 mm Gauge Length with +20% / -10% Measuring Range
01/6123-HT2	MSTGA/5/25E-HT2	5 mm Gauge Length with +25% / -10% Measuring Range
01/6124-HT2	MSTGA/5/50E-HT2	5 mm Gauge Length with +50% / -5% Measuring Range
01/6125-HT2	MSTGA/5/100E-HT2	5 mm Gauge Length with +100% / -5% Measuring Range
01/6120-LHT	MSTGA/5/5E-LHT	5 mm Gauge Length with +5% Measuring Range
01/6121-LHT	MSTGA/5/10E-LHT	5 mm Gauge Length with +10% Measuring Range
01/6122-LHT	MSTGA/5/20E-LHT	5 mm Gauge Length with +20% / -10% Measuring Range
01/6123-LHT	MSTGA/5/25E-LHT	5 mm Gauge Length with +25% / -10% Measuring Range
01/6124-LHT	MSTGA/5/50E-LHT	5 mm Gauge Length with +50% / -5% Measuring Range
01/6125-LHT	MSTGA/5/100E-LHT	5 mm Gauge Length with +100% / -5% Measuring Range



Miniature 5 mm GL Clip-on Extensometer

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
Standard units meet existing ASTM class B-1 and ISO 9513, class 0,5 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Options
Adapter kits to change gauge lengths
Special coatings and stainless steel knife edges available for biomedical tests

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: 0.10% to 0.15% of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 20 g typical



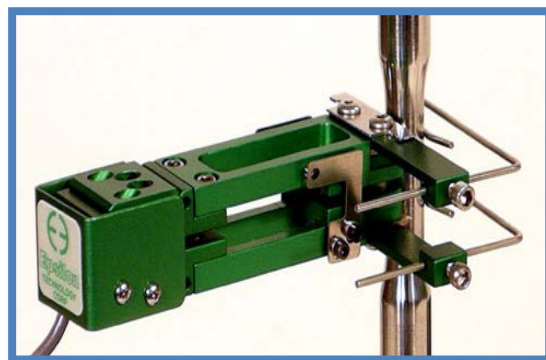
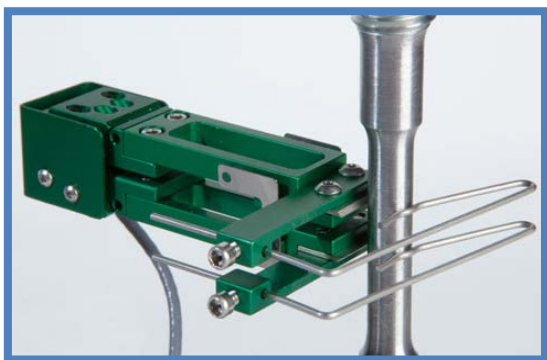
Miniature 6 mm GL Clip-on Extensometer

Very small and rugged, yet ultra-light weight, these units are widely used for testing small and delicate samples. Ideal for many biomedical tests, as well as for wire and thin sheet materials

Weighing as little as 8 grams, these tiny extensometers have very low operating force, resulting in low specimen contact force and influence

Most are only 0.6 inches tall (15.25 mm). These extensometers will fit in the small space between grips, which usually results when small test samples are used

Part Number	Catalogue Number	Description
01/6126	MSTGA/6/5E-ST	6 mm Gauge Length with +5% Measuring Range
01/6127	MSTGA/6/10E-ST	6 mm Gauge Length with +10% Measuring Range
01/6128	MSTGA/6/20E-ST	6 mm Gauge Length with +20% / -10% Measuring Range
01/6129	MSTGA/6/25E-ST	6 mm Gauge Length with +25% / -10% Measuring Range
01/6130	MSTGA/6/50E-ST	6 mm Gauge Length with +50% / -5% Measuring Range
01/6131	MSTGA/6/100E-ST	6 mm Gauge Length with +100% / -5% Measuring Range
01/6126-LT	MSTGA/6/5E-LT	6 mm Gauge Length with +5% Measuring Range
01/6127-LT	MSTGA/6/10E-LT	6 mm Gauge Length with +10% Measuring Range
01/6128-LT	MSTGA/6/20E-LT	6 mm Gauge Length with +20% / -10% Measuring Range
01/6129-LT	MSTGA/6/25E-LT	6 mm Gauge Length with +25% / -10% Measuring Range
01/6130-LT	MSTGA/6/50E-LT	6 mm Gauge Length with +50% / -5% Measuring Range
01/6131-LT	MSTGA/6/100E-LT	6 mm Gauge Length with +100% / -5% Measuring Range
01/6126-HT1	MSTGA/6/5E-HT1	6 mm Gauge Length with +5% Measuring Range
01/6127-HT1	MSTGA/6/10E-HT1	6 mm Gauge Length with +10% Measuring Range
01/6128-HT1	MSTGA/6/20E-HT1	6 mm Gauge Length with +20% / -10% Measuring Range
01/6129-HT1	MSTGA/6/25E-HT1	6 mm Gauge Length with +25% / -10% Measuring Range
01/6130-HT1	MSTGA/6/50E-HT1	6 mm Gauge Length with +50% / -5% Measuring Range
01/6131-HT1	MSTGA/6/100E-HT1	6 mm Gauge Length with +100% / -5% Measuring Range
01/6126-HT2	MSTGA/6/5E-HT2	6 mm Gauge Length with +5% Measuring Range
01/6127-HT2	MSTGA/6/10E-HT2	6 mm Gauge Length with +10% Measuring Range
01/6128-HT2	MSTGA/6/20E-HT2	6 mm Gauge Length with +20% / -10% Measuring Range
01/6129-HT2	MSTGA/6/25E-HT2	6 mm Gauge Length with +25% / -10% Measuring Range
01/6130-HT2	MSTGA/6/50E-HT2	6 mm Gauge Length with +50% / -5% Measuring Range
01/6131-HT2	MSTGA/6/100E-HT2	6 mm Gauge Length with +100% / -5% Measuring Range
01/6126-LHT	MSTGA/6/5E-LHT	6 mm Gauge Length with +5% Measuring Range
01/6127-LHT	MSTGA/6/10E-LHT	6 mm Gauge Length with +10% Measuring Range
01/6128-LHT	MSTGA/6/20E-LHT	6 mm Gauge Length with +20% / -10% Measuring Range
01/6129-LHT	MSTGA/6/25E-LHT	6 mm Gauge Length with +25% / -10% Measuring Range
01/6130-LHT	MSTGA/6/50E-LHT	6 mm Gauge Length with +50% / -5% Measuring Range
01/6131-LHT	MSTGA/6/100E-LHT	6 mm Gauge Length with +100% / -5% Measuring Range



Miniature 6 mm GL Clip-on Extensometer

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
Standard units meet existing ASTM class B-1 and ISO 9513, class 0,5 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Options
Adapter kits to change gauge lengths
Special coatings and stainless steel knife edges available for biomedical tests

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: 0.10% to 0.15% of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 20 g typical



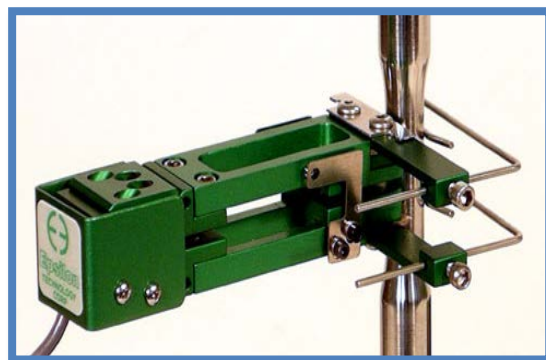
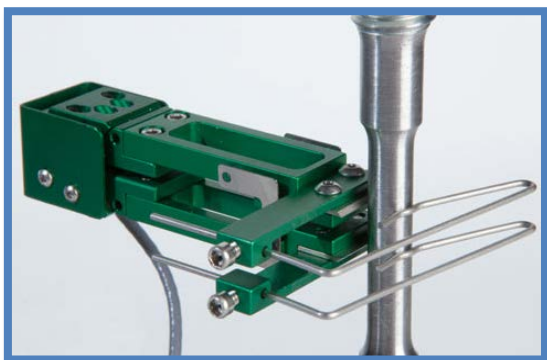
Miniature 8 mm GL Clip-on Extensometer

Very small and rugged, yet ultra-light weight, these units are widely used for testing small and delicate samples. Ideal for many biomedical tests, as well as for wire and thin sheet materials

Weighing as little as 8 grams, these tiny extensometers have very low operating force, resulting in low specimen contact force and influence

Most are only 0.6 inches tall (15.25 mm). These extensometers will fit in the small space between grips, which usually results when small test samples are used

Part Number	Catalogue Number	Description
01/6132	MSTGA/8/5E-ST	8 mm Gauge Length with +5% Measuring Range
01/6133	MSTGA/8/10E-ST	8 mm Gauge Length with +10% Measuring Range
01/6134	MSTGA/8/20E-ST	8 mm Gauge Length with +20% / -10% Measuring Range
01/6135	MSTGA/8/25E-ST	8 mm Gauge Length with +25% / -10% Measuring Range
01/6136	MSTGA/8/50E-ST	8 mm Gauge Length with +50% / -5% Measuring Range
01/6137	MSTGA/8/100E-ST	8 mm Gauge Length with +100% / -5% Measuring Range
01/6132-LT	MSTGA/8/5E-LT	8 mm Gauge Length with +5% Measuring Range
01/6133-LT	MSTGA/8/10E-LT	8 mm Gauge Length with +10% Measuring Range
01/6134-LT	MSTGA/8/20E-LT	8 mm Gauge Length with +20% / -10% Measuring Range
01/6135-LT	MSTGA/8/25E-LT	8 mm Gauge Length with +25% / -10% Measuring Range
01/6136-LT	MSTGA/8/50E-LT	8 mm Gauge Length with +50% / -5% Measuring Range
01/6137-LT	MSTGA/8/100E-LT	8 mm Gauge Length with +100% / -5% Measuring Range
01/6132-HT1	MSTGA/8/5E-HT1	8 mm Gauge Length with +5% Measuring Range
01/6133-HT1	MSTGA/8/10E-HT1	8 mm Gauge Length with +10% Measuring Range
01/6134-HT1	MSTGA/8/20E-HT1	8 mm Gauge Length with +20% / -10% Measuring Range
01/6135-HT1	MSTGA/8/25E-HT1	8 mm Gauge Length with +25% / -10% Measuring Range
01/6136-HT1	MSTGA/8/50E-HT1	8 mm Gauge Length with +50% / -5% Measuring Range
01/6137-HT1	MSTGA/8/100E-HT1	8 mm Gauge Length with +100% / -5% Measuring Range
01/6132-HT2	MSTGA/8/5E-HT2	8 mm Gauge Length with +5% Measuring Range
01/6133-HT2	MSTGA/8/10E-HT2	8 mm Gauge Length with +10% Measuring Range
01/6134-HT2	MSTGA/8/20E-HT2	8 mm Gauge Length with +20% / -10% Measuring Range
01/6135-HT2	MSTGA/8/25E-HT2	8 mm Gauge Length with +25% / -10% Measuring Range
01/6136-HT2	MSTGA/8/50E-HT2	8 mm Gauge Length with +50% / -5% Measuring Range
01/6137-HT2	MSTGA/8/100E-HT2	8 mm Gauge Length with +100% / -5% Measuring Range
01/6132-LHT	MSTGA/8/5E-LHT	8 mm Gauge Length with +5% Measuring Range
01/6133-LHT	MSTGA/8/10E-LHT	8 mm Gauge Length with +10% Measuring Range
01/6134-LHT	MSTGA/8/20E-LHT	8 mm Gauge Length with +20% / -10% Measuring Range
01/6135-LHT	MSTGA/8/25E-LHT	8 mm Gauge Length with +25% / -10% Measuring Range
01/6136-LHT	MSTGA/8/50E-LHT	8 mm Gauge Length with +50% / -5% Measuring Range
01/6137-LHT	MSTGA/8/100E-LHT	8 mm Gauge Length with +100% / -5% Measuring Range



Miniature 8 mm GL Clip-on Extensometer

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
Standard units meet existing ASTM class B-1 and ISO 9513, class 0,5 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Options
Adapter kits to change gauge lengths
Special coatings and stainless steel knife edges available for biomedical tests

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: 0.10% to 0.15% of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 20 g typical



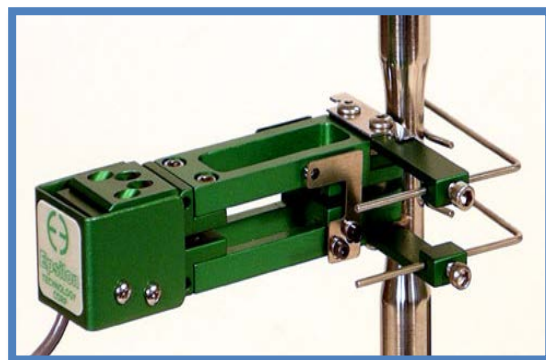
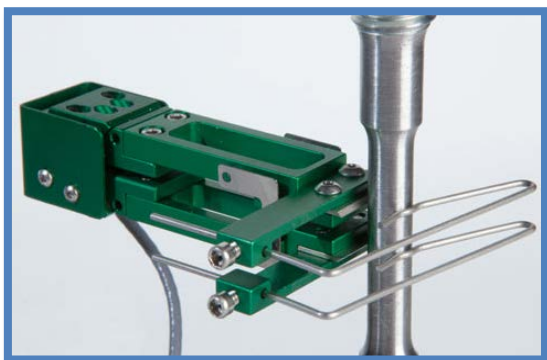
Miniature 10 mm GL Clip-on Extensometer

Very small and rugged, yet ultra-light weight, these units are widely used for testing small and delicate samples. Ideal for many biomedical tests, as well as for wire and thin sheet materials

Weighing as little as 8 grams, these tiny extensometers have very low operating force, resulting in low specimen contact force and influence

Most are only 0.6 inches tall (15.25 mm). These extensometers will fit in the small space between grips, which usually results when small test samples are used

Part Number	Catalogue Number	Description
01/6138	MSTGA/10/5E-ST	10 mm Gauge Length with +5% Measuring Range
01/6139	MSTGA/10/10E-ST	10 mm Gauge Length with +10% Measuring Range
01/6140	MSTGA/10/20E-ST	10 mm Gauge Length with +20% / -10% Measuring Range
01/6141	MSTGA/10/25E-ST	10 mm Gauge Length with +25% / -10% Measuring Range
01/6142	MSTGA/10/50E-ST	10 mm Gauge Length with +50% / -5% Measuring Range
01/6143	MSTGA/10/100E-ST	10 mm Gauge Length with +100% / -5% Measuring Range
01/6138-LT	MSTGA/10/5E-LT	10 mm Gauge Length with +5% Measuring Range
01/6139-LT	MSTGA/10/10E-LT	10 mm Gauge Length with +10% Measuring Range
01/6140-LT	MSTGA/10/20E-LT	10 mm Gauge Length with +20% / -10% Measuring Range
01/6141-LT	MSTGA/10/25E-LT	10 mm Gauge Length with +25% / -10% Measuring Range
01/6142-LT	MSTGA/10/50E-LT	10 mm Gauge Length with +50% / -5% Measuring Range
01/6143-LT	MSTGA/10/100E-LT	10 mm Gauge Length with +100% / -5% Measuring Range
01/6138-HT1	MSTGA/10/5E-HT1	10 mm Gauge Length with +5% Measuring Range
01/6139-HT1	MSTGA/10/10E-HT1	10 mm Gauge Length with +10% Measuring Range
01/6140-HT1	MSTGA/10/20E-HT1	10 mm Gauge Length with +20% / -10% Measuring Range
01/6141-HT1	MSTGA/10/25E-HT1	10 mm Gauge Length with +25% / -10% Measuring Range
01/6142-HT1	MSTGA/10/50E-HT1	10 mm Gauge Length with +50% / -5% Measuring Range
01/6143-HT1	MSTGA/10/100E-HT1	10 mm Gauge Length with +100% / -5% Measuring Range
01/6138-HT2	MSTGA/10/5E-HT2	10 mm Gauge Length with +5% Measuring Range
01/6139-HT2	MSTGA/10/10E-HT2	10 mm Gauge Length with +10% Measuring Range
01/6140-HT2	MSTGA/10/20E-HT2	10 mm Gauge Length with +20% / -10% Measuring Range
01/6141-HT2	MSTGA/10/25E-HT2	10 mm Gauge Length with +25% / -10% Measuring Range
01/6142-HT2	MSTGA/10/50E-HT2	10 mm Gauge Length with +50% / -5% Measuring Range
01/6143-HT2	MSTGA/10/100E-HT2	10 mm Gauge Length with +100% / -5% Measuring Range
01/6138-LHT	MSTGA/10/5E-LHT	10 mm Gauge Length with +5% Measuring Range
01/6139-LHT	MSTGA/10/10E-LHT	10 mm Gauge Length with +10% Measuring Range
01/6140-LHT	MSTGA/10/20E-LHT	10 mm Gauge Length with +20% / -10% Measuring Range
01/6141-LHT	MSTGA/10/25E-LHT	10 mm Gauge Length with +25% / -10% Measuring Range
01/6142-LHT	MSTGA/10/50E-LHT	10 mm Gauge Length with +50% / -5% Measuring Range
01/6143-LHT	MSTGA/10/100E-LHT	10 mm Gauge Length with +100% / -5% Measuring Range



Miniature 10 mm GL Clip-on Extensometer

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
Standard units meet existing ASTM class B-1 and ISO 9513, class 0,5 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Options
Adapter kits to change gauge lengths
Special coatings and stainless steel knife edges available for biomedical tests

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: 0.10% to 0.15% of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 20 g typical



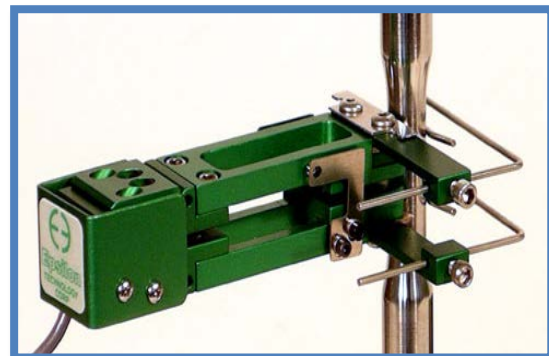
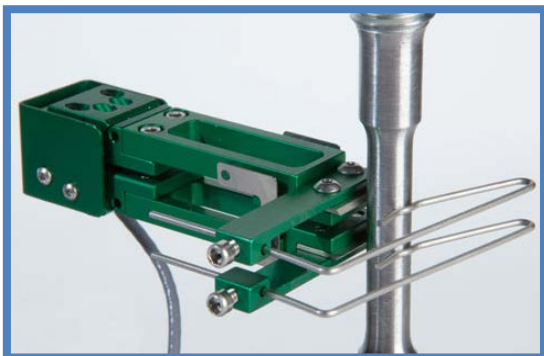
Miniature 12 mm GL Clip-on Extensometer

Very small and rugged, yet ultra-light weight, these units are widely used for testing small and delicate samples. Ideal for many biomedical tests, as well as for wire and thin sheet materials

Weighing as little as 8 grams, these tiny extensometers have very low operating force, resulting in low specimen contact force and influence

Most are only 0.6 inches tall (15.25 mm). These extensometers will fit in the small space between grips, which usually results when small test samples are used

Part Number	Catalogue Number	Description
01/6144	MSTGA/12/5E-ST	12 mm Gauge Length with +5% Measuring Range
01/6145	MSTGA/12/10E-ST	12 mm Gauge Length with +10% Measuring Range
01/6146	MSTGA/12/20E-ST	12 mm Gauge Length with +20% / -10% Measuring Range
01/6147	MSTGA/12/25E-ST	12 mm Gauge Length with +25% / -10% Measuring Range
01/6148	MSTGA/12/50E-ST	12 mm Gauge Length with +50% / -5% Measuring Range
01/6149	MSTGA/12/100E-ST	12 mm Gauge Length with +100% / -5% Measuring Range
01/6144-LT	MSTGA/12/5E-LT	12 mm Gauge Length with +5% Measuring Range
01/6145-LT	MSTGA/12/10E-LT	12 mm Gauge Length with +10% Measuring Range
01/6146-LT	MSTGA/12/20E-LT	12 mm Gauge Length with +20% / -10% Measuring Range
01/6147-LT	MSTGA/12/25E-LT	12 mm Gauge Length with +25% / -10% Measuring Range
01/6148-LT	MSTGA/12/50E-LT	12 mm Gauge Length with +50% / -5% Measuring Range
01/6149-LT	MSTGA/12/100E-LT	12 mm Gauge Length with +100% / -5% Measuring Range
01/6144-HT1	MSTGA/12/5E-HT1	12 mm Gauge Length with +5% Measuring Range
01/6145-HT1	MSTGA/12/10E-HT1	12 mm Gauge Length with +10% Measuring Range
01/6146-HT1	MSTGA/12/20E-HT1	12 mm Gauge Length with +20% / -10% Measuring Range
01/6147-HT1	MSTGA/12/25E-HT1	12 mm Gauge Length with +25% / -10% Measuring Range
01/6148-HT1	MSTGA/12/50E-HT1	12 mm Gauge Length with +50% / -5% Measuring Range
01/6149-HT1	MSTGA/12/100E-HT1	12 mm Gauge Length with +100% / -5% Measuring Range
01/6144-HT2	MSTGA/12/5E-HT2	12 mm Gauge Length with +5% Measuring Range
01/6145-HT2	MSTGA/12/10E-HT2	12 mm Gauge Length with +10% Measuring Range
01/6146-HT2	MSTGA/12/20E-HT2	12 mm Gauge Length with +20% / -10% Measuring Range
01/6147-HT2	MSTGA/12/25E-HT2	12 mm Gauge Length with +25% / -10% Measuring Range
01/6148-HT2	MSTGA/12/50E-HT2	12 mm Gauge Length with +50% / -5% Measuring Range
01/6149-HT2	MSTGA/12/100E-HT2	12 mm Gauge Length with +100% / -5% Measuring Range
01/6144-LHT	MSTGA/12/5E-LHT	12 mm Gauge Length with +5% Measuring Range
01/6145-LHT	MSTGA/12/10E-LHT	12 mm Gauge Length with +10% Measuring Range
01/6146-LHT	MSTGA/12/20E-LHT	12 mm Gauge Length with +20% / -10% Measuring Range
01/6147-LHT	MSTGA/12/25E-LHT	12 mm Gauge Length with +25% / -10% Measuring Range
01/6148-LHT	MSTGA/12/50E-LHT	12 mm Gauge Length with +50% / -5% Measuring Range
01/6149-LHT	MSTGA/12/100E-LHT	12 mm Gauge Length with +100% / -5% Measuring Range



Miniature 12 mm GL Clip-on Extensometer

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
Standard units meet existing ASTM class B-1 and ISO 9513, class 0,5 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Options
Adapter kits to change gauge lengths
Special coatings and stainless steel knife edges available for biomedical tests

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: 0.10% to 0.15% of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 20 g typical



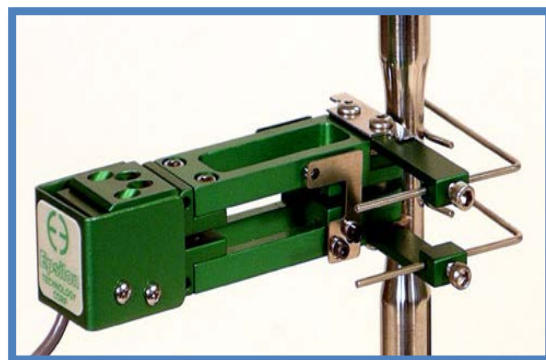
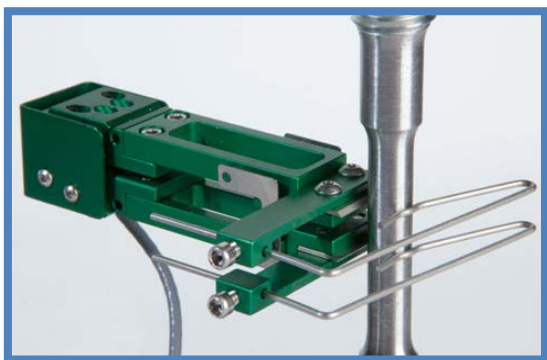
Miniature 0.25 inch GL Clip-on Extensometer

Very small and rugged, yet ultra-light weight, these units are widely used for testing small and delicate samples. Ideal for many biomedical tests, as well as for wire and thin sheet materials

Weighing as little as 8 grams, these tiny extensometers have very low operating force, resulting in low specimen contact force and influence

Most are only 0.6 inches tall (15.25 mm). These extensometers will fit in the small space between grips, which usually results when small test samples are used

Part Number	Catalogue Number	Description
01/6156	MSTGA/0.25/5E-ST	0.25 inch Gauge Length with +5% Measuring Range
01/6157	MSTGA/0.25/10E-ST	0.25 inch Gauge Length with +10% Measuring Range
01/6158	MSTGA/0.25/20E-ST	0.25 inch Gauge Length with +20% / -10% Measuring Range
01/6159	MSTGA/0.25/25E-ST	0.25 inch Gauge Length with +25% / -10% Measuring Range
01/6160	MSTGA/0.25/50E-ST	0.25 inch Gauge Length with +50% / -5% Measuring Range
01/6161	MSTGA/0.25/100E-ST	0.25 inch Gauge Length with +100% / -5% Measuring Range
01/6156-LT	MSTGA/0.25/5E-LT	0.25 inch Gauge Length with +5% Measuring Range
01/6157-LT	MSTGA/0.25/10E-LT	0.25 inch Gauge Length with +10% Measuring Range
01/6158-LT	MSTGA/0.25/20E-LT	0.25 inch Gauge Length with +20% / -10% Measuring Range
01/6159-LT	MSTGA/0.25/25E-LT	0.25 inch Gauge Length with +25% / -10% Measuring Range
01/6160-LT	MSTGA/0.25/50E-LT	0.25 inch Gauge Length with +50% / -5% Measuring Range
01/6161-LT	MSTGA/0.25/100E-LT	0.25 inch Gauge Length with +100% / -5% Measuring Range
01/6156-HT1	MSTGA/0.25/5E-HT1	0.25 inch Gauge Length with +5% Measuring Range
01/6157-HT1	MSTGA/0.25/10E-HT1	0.25 inch Gauge Length with +10% Measuring Range
01/6158-HT1	MSTGA/0.25/20E-HT1	0.25 inch Gauge Length with +20% / -10% Measuring Range
01/6159-HT1	MSTGA/0.25/25E-HT1	0.25 inch Gauge Length with +25% / -10% Measuring Range
01/6160-HT1	MSTGA/0.25/50E-HT1	0.25 inch Gauge Length with +50% / -5% Measuring Range
01/6161-HT1	MSTGA/0.25/100E-HT1	0.25 inch Gauge Length with +100% / -5% Measuring Range
01/6156-HT2	MSTGA/0.25/5E-HT2	0.25 inch Gauge Length with +5% Measuring Range
01/6157-HT2	MSTGA/0.25/10E-HT2	0.25 inch Gauge Length with +10% Measuring Range
01/6158-HT2	MSTGA/0.25/20E-HT2	0.25 inch Gauge Length with +20% / -10% Measuring Range
01/6159-HT2	MSTGA/0.25/25E-HT2	0.25 inch Gauge Length with +25% / -10% Measuring Range
01/6160-HT2	MSTGA/0.25/50E-HT2	0.25 inch Gauge Length with +50% / -5% Measuring Range
01/6161-HT2	MSTGA/0.25/100E-HT2	0.25 inch Gauge Length with +100% / -5% Measuring Range
01/6156-LHT	MSTGA/0.25/5E-LHT	0.25 inch Gauge Length with +5% Measuring Range
01/6157-LHT	MSTGA/0.25/10E-LHT	0.25 inch Gauge Length with +10% Measuring Range
01/6158-LHT	MSTGA/0.25/20E-LHT	0.25 inch Gauge Length with +20% / -10% Measuring Range
01/6159-LHT	MSTGA/0.25/25E-LHT	0.25 inch Gauge Length with +25% / -10% Measuring Range
01/6160-LHT	MSTGA/0.25/50E-LHT	0.25 inch Gauge Length with +50% / -5% Measuring Range
01/6161-LHT	MSTGA/0.25/100E-LHT	0.25 inch Gauge Length with +100% / -5% Measuring Range



Miniature 0.25 inch GL Clip-on Extensometer

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
Standard units meet existing ASTM class B-1 and ISO 9513, class 0,5 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Options
Adapter kits to change gauge lengths
Special coatings and stainless steel knife edges available for biomedical tests

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: 0.10% to 0.15% of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 20 g typical



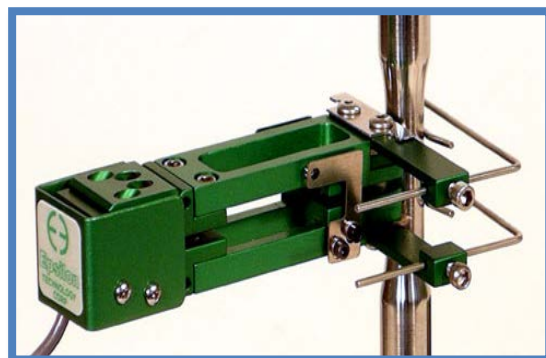
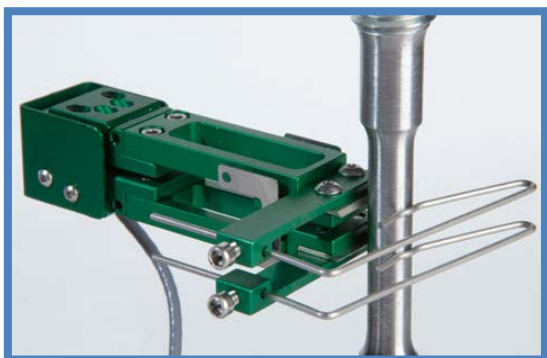
Miniature 0.5 inch GL Clip-on Extensometer

Very small and rugged, yet ultra-light weight, these units are widely used for testing small and delicate samples. Ideal for many biomedical tests, as well as for wire and thin sheet materials

Weighing as little as 8 grams, these tiny extensometers have very low operating force, resulting in low specimen contact force and influence

Most are only 0.6 inches tall (15.25 mm). These extensometers will fit in the small space between grips, which usually results when small test samples are used

Part Number	Catalogue Number	Description
01/6150	MSTGA/0.5/5E-ST	0.5 inch Gauge Length with +5% Measuring Range
01/6151	MSTGA/0.5/10E-ST	0.5 inch Gauge Length with +10% Measuring Range
01/6152	MSTGA/0.5/20E-ST	0.5 inch Gauge Length with +20% / -10% Measuring Range
01/6153	MSTGA/0.5/25E-ST	0.5 inch Gauge Length with +25% / -10% Measuring Range
01/6154	MSTGA/0.5/50E-ST	0.5 inch Gauge Length with +50% / -5% Measuring Range
01/6155	MSTGA/0.5/100E-ST	0.5 inch Gauge Length with +100% / -5% Measuring Range
01/6150-LT	MSTGA/0.5/5E-LT	0.5 inch Gauge Length with +5% Measuring Range
01/6151-LT	MSTGA/0.5/10E-LT	0.5 inch Gauge Length with +10% Measuring Range
01/6152-LT	MSTGA/0.5/20E-LT	0.5 inch Gauge Length with +20% / -10% Measuring Range
01/6153-LT	MSTGA/0.5/25E-LT	0.5 inch Gauge Length with +25% / -10% Measuring Range
01/6154-LT	MSTGA/0.5/50E-LT	0.5 inch Gauge Length with +50% / -5% Measuring Range
01/6155-LT	MSTGA/0.5/100E-LT	0.5 inch Gauge Length with +100% / -5% Measuring Range
01/6150-HT1	MSTGA/0.5/5E-HT1	0.5 inch Gauge Length with +5% Measuring Range
01/6151-HT1	MSTGA/0.5/10E-HT1	0.5 inch Gauge Length with +10% Measuring Range
01/6152-HT1	MSTGA/0.5/20E-HT1	0.5 inch Gauge Length with +20% / -10% Measuring Range
01/6153-HT1	MSTGA/0.5/25E-HT1	0.5 inch Gauge Length with +25% / -10% Measuring Range
01/6154-HT1	MSTGA/0.5/50E-HT1	0.5 inch Gauge Length with +50% / -5% Measuring Range
01/6155-HT1	MSTGA/0.5/100E-HT1	0.5 inch Gauge Length with +100% / -5% Measuring Range
01/6150-HT2	MSTGA/0.5/5E-HT2	0.5 inch Gauge Length with +5% Measuring Range
01/6151-HT2	MSTGA/0.5/10E-HT2	0.5 inch Gauge Length with +10% Measuring Range
01/6152-HT2	MSTGA/0.5/20E-HT2	0.5 inch Gauge Length with +20% / -10% Measuring Range
01/6153-HT2	MSTGA/0.5/25E-HT2	0.5 inch Gauge Length with +25% / -10% Measuring Range
01/6154-HT2	MSTGA/0.5/50E-HT2	0.5 inch Gauge Length with +50% / -5% Measuring Range
01/6155-HT2	MSTGA/0.5/100E-HT2	0.5 inch Gauge Length with +100% / -5% Measuring Range
01/6150-LHT	MSTGA/0.5/5E-LHT	0.5 inch Gauge Length with +5% Measuring Range
01/6151-LHT	MSTGA/0.5/10E-LHT	0.5 inch Gauge Length with +10% Measuring Range
01/6152-LHT	MSTGA/0.5/20E-LHT	0.5 inch Gauge Length with +20% / -10% Measuring Range
01/6153-LHT	MSTGA/0.5/25E-LHT	0.5 inch Gauge Length with +25% / -10% Measuring Range
01/6154-LHT	MSTGA/0.5/50E-LHT	0.5 inch Gauge Length with +50% / -5% Measuring Range
01/6155-LHT	MSTGA/0.5/100E-LHT	0.5 inch Gauge Length with +100% / -5% Measuring Range



Miniature 0.5 inch GL Clip-on Extensometer

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
Standard units meet existing ASTM class B-1 and ISO 9513, class 0,5 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Options
Adapter kits to change gauge lengths
Special coatings and stainless steel knife edges available for biomedical tests

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: 0.10% to 0.15% of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 20 g typical



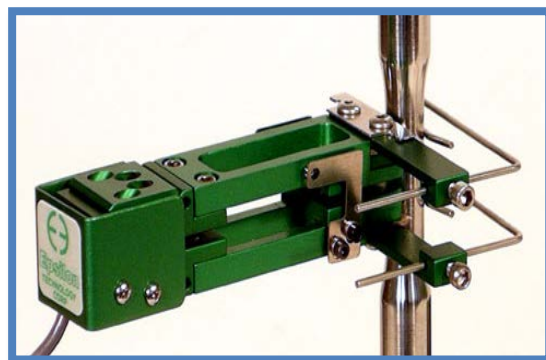
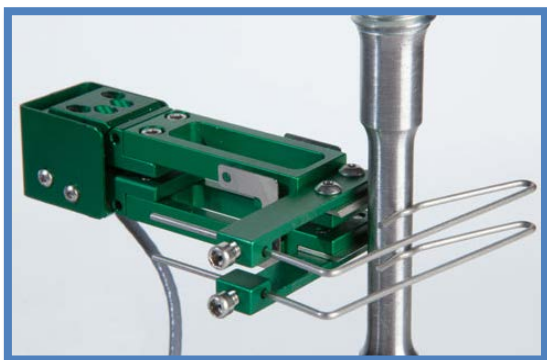
Miniature 0.64 inch GL Clip-on Extensometer

Very small and rugged, yet ultra-light weight, these units are widely used for testing small and delicate samples. Ideal for many biomedical tests, as well as for wire and thin sheet materials

Weighing as little as 8 grams, these tiny extensometers have very low operating force, resulting in low specimen contact force and influence

Most are only 0.6 inches tall (15.25 mm). These extensometers will fit in the small space between grips, which usually results when small test samples are used

Part Number	Catalogue Number	Description
01/6162	MSTGA/0.64/5E-ST	0.64 inch Gauge Length with +5% Measuring Range
01/6163	MSTGA/0.64/10E-ST	0.64 inch Gauge Length with +10% Measuring Range
01/6164	MSTGA/0.64/20E-ST	0.64 inch Gauge Length with +20% / -10% Measuring Range
01/6165	MSTGA/0.64/25E-ST	0.64 inch Gauge Length with +25% / -10% Measuring Range
01/6166	MSTGA/0.64/50E-ST	0.64 inch Gauge Length with +50% / -5% Measuring Range
01/6167	MSTGA/0.64/100E-ST	0.64 inch Gauge Length with +100% / -5% Measuring Range
01/6162-LT	MSTGA/0.64/5E-LT	0.64 inch Gauge Length with +5% Measuring Range
01/6163-LT	MSTGA/0.64/10E-LT	0.64 inch Gauge Length with +10% Measuring Range
01/6164-LT	MSTGA/0.64/20E-LT	0.64 inch Gauge Length with +20% / -10% Measuring Range
01/6165-LT	MSTGA/0.64/25E-LT	0.64 inch Gauge Length with +25% / -10% Measuring Range
01/6166-LT	MSTGA/0.64/50E-LT	0.64 inch Gauge Length with +50% / -5% Measuring Range
01/6167-LT	MSTGA/0.64/100E-LT	0.64 inch Gauge Length with +100% / -5% Measuring Range
01/6162-HT1	MSTGA/0.64/5E-HT1	0.64 inch Gauge Length with +5% Measuring Range
01/6163-HT1	MSTGA/0.64/10E-HT1	0.64 inch Gauge Length with +10% Measuring Range
01/6164-HT1	MSTGA/0.64/20E-HT1	0.64 inch Gauge Length with +20% / -10% Measuring Range
01/6165-HT1	MSTGA/0.64/25E-HT1	0.64 inch Gauge Length with +25% / -10% Measuring Range
01/6166-HT1	MSTGA/0.64/50E-HT1	0.64 inch Gauge Length with +50% / -5% Measuring Range
01/6167-HT1	MSTGA/0.64/100E-HT1	0.64 inch Gauge Length with +100% / -5% Measuring Range
01/6162-HT2	MSTGA/0.64/5E-HT2	0.64 inch Gauge Length with +5% Measuring Range
01/6163-HT2	MSTGA/0.64/10E-HT2	0.64 inch Gauge Length with +10% Measuring Range
01/6164-HT2	MSTGA/0.64/20E-HT2	0.64 inch Gauge Length with +20% / -10% Measuring Range
01/6165-HT2	MSTGA/0.64/25E-HT2	0.64 inch Gauge Length with +25% / -10% Measuring Range
01/6166-HT2	MSTGA/0.64/50E-HT2	0.64 inch Gauge Length with +50% / -5% Measuring Range
01/6167-HT2	MSTGA/0.64/100E-HT2	0.64 inch Gauge Length with +100% / -5% Measuring Range
01/6162-LHT	MSTGA/0.64/5E-LHT	0.64 inch Gauge Length with +5% Measuring Range
01/6163-LHT	MSTGA/0.64/10E-LHT	0.64 inch Gauge Length with +10% Measuring Range
01/6164-LHT	MSTGA/0.64/20E-LHT	0.64 inch Gauge Length with +20% / -10% Measuring Range
01/6165-LHT	MSTGA/0.64/25E-LHT	0.64 inch Gauge Length with +25% / -10% Measuring Range
01/6166-LHT	MSTGA/0.64/50E-LHT	0.64 inch Gauge Length with +50% / -5% Measuring Range
01/6167-LHT	MSTGA/0.64/100E-LHT	0.64 inch Gauge Length with +100% / -5% Measuring Range



Miniature 0.64 inch GL Clip-on Extensometer

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
Standard units meet existing ASTM class B-1 and ISO 9513, class 0,5 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Options
Adapter kits to change gauge lengths
Special coatings and stainless steel knife edges available for biomedical tests

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: 0.10% to 0.15% of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 20 g typical



100mm Gauge Length Small Strain Extensometers

Long gauge length extensometers with gauge lengths greater than 2 inches (50 mm) for tensile and compression testing

These units have been specially designed for long gage length applications where low level strain measurements are required. These extensometers are designed for testing a wide range of materials including metals, plastics, composites and ceramics

Part Number	Catalogue Number	Description
01/6081	LGLSS/100/2.5E-ST	100mm Gauge Length with $\pm 2.5\text{mm}$ Measuring Range
01/6082	LGLSS/100/6E-ST	100mm Gauge Length with $\pm 6\text{mm}$ Measuring Range
01/6083	LGLSS/100/12.5E-ST	100mm Gauge Length with $\pm 12.5\text{mm}$ Measuring Range
01/6081-LT	LGLSS/100/2.5E-LT	100mm Gauge Length with $\pm 2.5\text{mm}$ Measuring Range
01/6082-LT	LGLSS/100/6E-LT	100mm Gauge Length with $\pm 6\text{mm}$ Measuring Range
01/6083-LT	LGLSS/100/12.5E-LT	100mm Gauge Length with $\pm 12.5\text{mm}$ Measuring Range
01/6081-HT1	LGLSS/100/2.5E-HT1	100mm Gauge Length with $\pm 2.5\text{mm}$ Measuring Range
01/6082-HT1	LGLSS/100/6E-HT1	100mm Gauge Length with $\pm 6\text{mm}$ Measuring Range
01/6083-HT1	LGLSS/100/12.5E-HT1	100mm Gauge Length with $\pm 12.5\text{mm}$ Measuring Range
01/6081-HT2	LGLSS/100/2.5E-HT2	100mm Gauge Length with $\pm 2.5\text{mm}$ Measuring Range
01/6082-HT2	LGLSS/100/6E-HT2	100mm Gauge Length with $\pm 6\text{mm}$ Measuring Range
01/6083-HT2	LGLSS/100/12.5E-HT2	100mm Gauge Length with $\pm 12.5\text{mm}$ Measuring Range
01/6081-LHT	LGLSS/100/2.5E-LHT	100mm Gauge Length with $\pm 2.5\text{mm}$ Measuring Range
01/6082-LHT	LGLSS/100/6E-LHT	100mm Gauge Length with $\pm 6\text{mm}$ Measuring Range
01/6083-LHT	LGLSS/100/12.5E-LHT	100mm Gauge Length with $\pm 12.5\text{mm}$ Measuring Range



Long Gauge Length Small Strain Extensometers

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
Standard units meet existing ASTM class B-1 and ISO 9513, class 0,5 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Options
Quick attach kit wire-forms for large specimens
Adapter kits to change gauge lengths
Special coatings and stainless steel knife edges available for biomedical tests

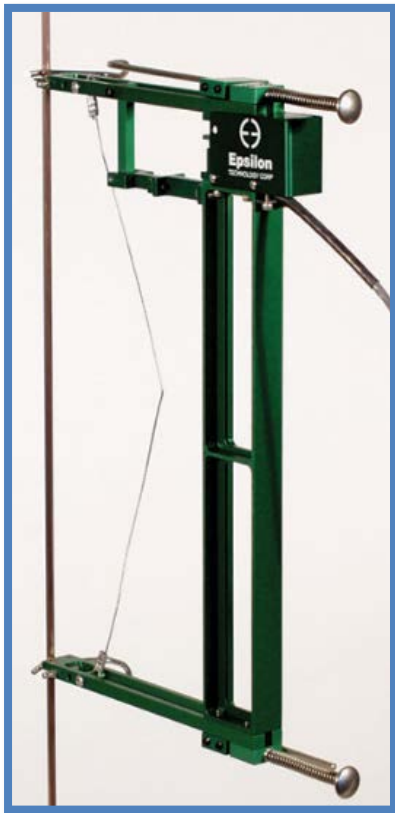
Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: 0.10% to 0.15% of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 30 g typical

150mm Gauge Length Small Strain Extensometers

Long gauge length extensometers with gauge lengths greater than 2 inches (50 mm) for tensile and compression testing

These units have been specially designed for long gage length applications where low level strain measurements are required. These extensometers are designed for testing a wide range of materials including metals, plastics, composites and ceramics

Part Number	Catalogue Number	Description
01/6084	LGLSS/150/2.5E-ST	150mm Gauge Length with $\pm 2.5\text{mm}$ Measuring Range
01/6085	LGLSS/150/6E-ST	150mm Gauge Length with $\pm 6\text{mm}$ Measuring Range
01/6086	LGLSS/150/12.5E-ST	150mm Gauge Length with $\pm 12.5\text{mm}$ Measuring Range
01/6084-LT	LGLSS/150/2.5E-LT	150mm Gauge Length with $\pm 2.5\text{mm}$ Measuring Range
01/6085-LT	LGLSS/150/6E-LT	150mm Gauge Length with $\pm 6\text{mm}$ Measuring Range
01/6086-LT	LGLSS/150/12.5E-LT	150mm Gauge Length with $\pm 12.5\text{mm}$ Measuring Range
01/6084-HT1	LGLSS/150/2.5E-HT1	150mm Gauge Length with $\pm 2.5\text{mm}$ Measuring Range
01/6085-HT1	LGLSS/150/6E-HT1	150mm Gauge Length with $\pm 6\text{mm}$ Measuring Range
01/6086-HT1	LGLSS/150/12.5E-HT1	150mm Gauge Length with $\pm 12.5\text{mm}$ Measuring Range
01/6084-HT2	LGLSS/150/2.5E-HT2	150mm Gauge Length with $\pm 2.5\text{mm}$ Measuring Range
01/6085-HT2	LGLSS/150/6E-HT2	150mm Gauge Length with $\pm 6\text{mm}$ Measuring Range
01/6086-HT2	LGLSS/150/12.5E-HT2	150mm Gauge Length with $\pm 12.5\text{mm}$ Measuring Range
01/6084-LHT	LGLSS/150/2.5E-LHT	150mm Gauge Length with $\pm 2.5\text{mm}$ Measuring Range
01/6085-LHT	LGLSS/150/6E-LHT	150mm Gauge Length with $\pm 6\text{mm}$ Measuring Range
01/6086-LHT	LGLSS/150/12.5E-LHT	150mm Gauge Length with $\pm 12.5\text{mm}$ Measuring Range



150mm Long Gauge Length Small Strain Extensometers

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
Standard units meet existing ASTM class B-1 and ISO 9513, class 0,5 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Options
Quick attach kit wire-forms for large specimens
Adapter kits to change gauge lengths
Special coatings and stainless steel knife edges available for biomedical tests

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: 0.10% to 0.15% of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 30 g typical

200mm Gauge Length Small Strain Extensometers

Long gauge length extensometers with gauge lengths greater than 2 inches (50 mm) for tensile and compression testing

These units have been specially designed for long gage length applications where low level strain measurements are required. These extensometers are designed for testing a wide range of materials including metals, plastics, composites and ceramics

Part Number	Catalogue Number	Description
01/6087	LGLSS/200/2.5E-ST	200mm Gauge Length with $\pm 2.5\text{mm}$ Measuring Range
01/6088	LGLSS/200/6E-ST	200mm Gauge Length with $\pm 6\text{mm}$ Measuring Range
01/6089	LGLSS/200/12.5E-ST	200mm Gauge Length with $\pm 12.5\text{mm}$ Measuring Range
01/6087-LT	LGLSS/200/2.5E-LT	200mm Gauge Length with $\pm 2.5\text{mm}$ Measuring Range
01/6088-LT	LGLSS/200/6E-LT	200mm Gauge Length with $\pm 6\text{mm}$ Measuring Range
01/6089-LT	LGLSS/200/12.5E-LT	200mm Gauge Length with $\pm 12.5\text{mm}$ Measuring Range
01/6087-HT1	LGLSS/200/2.5E-HT1	200mm Gauge Length with $\pm 2.5\text{mm}$ Measuring Range
01/6088-HT1	LGLSS/200/6E-HT1	200mm Gauge Length with $\pm 6\text{mm}$ Measuring Range
01/6089-HT1	LGLSS/200/12.5E-HT1	200mm Gauge Length with $\pm 12.5\text{mm}$ Measuring Range
01/6087-HT2	LGLSS/200/2.5E-HT2	200mm Gauge Length with $\pm 2.5\text{mm}$ Measuring Range
01/6088-HT2	LGLSS/200/6E-HT2	200mm Gauge Length with $\pm 6\text{mm}$ Measuring Range
01/6089-HT2	LGLSS/200/12.5E-HT2	200mm Gauge Length with $\pm 12.5\text{mm}$ Measuring Range
01/6087-LHT	LGLSS/200/2.5E-LHT	200mm Gauge Length with $\pm 2.5\text{mm}$ Measuring Range
01/6088-LHT	LGLSS/200/6E-LHT	200mm Gauge Length with $\pm 6\text{mm}$ Measuring Range
01/6089-LHT	LGLSS/200/12.5E-LHT	200mm Gauge Length with $\pm 12.5\text{mm}$ Measuring Range



200mm Long Gauge Length Small Strain Extensometers

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
Standard units meet existing ASTM class B-1 and ISO 9513, class 0,5 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Options
Quick attach kit wire-forms for large specimens
Adapter kits to change gauge lengths
Special coatings and stainless steel knife edges available for biomedical tests

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: 0.10% to 0.15% of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 30 g typical

250mm Gauge Length Small Strain Extensometers

Long gauge length extensometers with gauge lengths greater than 2 inches (50 mm) for tensile and compression testing

These units have been specially designed for long gage length applications where low level strain measurements are required. These extensometers are designed for testing a wide range of materials including metals, plastics, composites and ceramics

Part Number	Catalogue Number	Description
01/6090	LGLSS/250/2.5E-ST	250mm Gauge Length with $\pm 2.5\text{mm}$ Measuring Range
01/6091	LGLSS/250/6E-ST	250mm Gauge Length with $\pm 6\text{mm}$ Measuring Range
01/6092	LGLSS/250/12.5E-ST	250mm Gauge Length with $\pm 12.5\text{mm}$ Measuring Range
01/6090-LT	LGLSS/250/2.5E-LT	250mm Gauge Length with $\pm 2.5\text{mm}$ Measuring Range
01/6091-LT	LGLSS/250/6E-LT	250mm Gauge Length with $\pm 6\text{mm}$ Measuring Range
01/6092-LT	LGLSS/250/12.5E-LT	250mm Gauge Length with $\pm 12.5\text{mm}$ Measuring Range
01/6090-HT1	LGLSS/250/2.5E-HT1	250mm Gauge Length with $\pm 2.5\text{mm}$ Measuring Range
01/6091-HT1	LGLSS/250/6E-HT1	250mm Gauge Length with $\pm 6\text{mm}$ Measuring Range
01/6092-HT1	LGLSS/250/12.5E-HT1	250mm Gauge Length with $\pm 12.5\text{mm}$ Measuring Range
01/6090-HT2	LGLSS/250/2.5E-HT2	250mm Gauge Length with $\pm 2.5\text{mm}$ Measuring Range
01/6091-HT2	LGLSS/250/6E-HT2	250mm Gauge Length with $\pm 6\text{mm}$ Measuring Range
01/6092-HT2	LGLSS/250/12.5E-HT2	250mm Gauge Length with $\pm 12.5\text{mm}$ Measuring Range
01/6090-LHT	LGLSS/250/2.5E-LHT	250mm Gauge Length with $\pm 2.5\text{mm}$ Measuring Range
01/6091-LHT	LGLSS/250/6E-LHT	250mm Gauge Length with $\pm 6\text{mm}$ Measuring Range
01/6092-LHT	LGLSS/250/12.5E-LHT	250mm Gauge Length with $\pm 12.5\text{mm}$ Measuring Range



250mm Long Gauge Length Small Strain Extensometers

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
Standard units meet existing ASTM class B-1 and ISO 9513, class 0,5 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Options
Quick attach kit wire-forms for large specimens
Adapter kits to change gauge lengths
Special coatings and stainless steel knife edges available for biomedical tests

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: 0.10% to 0.15% of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 30 g typical

500mm Gauge Length Small Strain Extensometers

Long gauge length extensometers with gauge lengths greater than 2 inches (50 mm) for tensile and compression testing

These units have been specially designed for long gage length applications where low level strain measurements are required. These extensometers are designed for testing a wide range of materials including metals, plastics, composites and ceramics

Part Number	Catalogue Number	Description
01/6093	LGLSS/500/2.5E-ST	500mm Gauge Length with $\pm 2.5\text{mm}$ Measuring Range
01/6094	LGLSS/500/6E-ST	500mm Gauge Length with $\pm 6\text{mm}$ Measuring Range
01/6095	LGLSS/500/12.5E-ST	500mm Gauge Length with $\pm 12.5\text{mm}$ Measuring Range
01/6093-LT	LGLSS/500/2.5E-LT	500mm Gauge Length with $\pm 2.5\text{mm}$ Measuring Range
01/6094-LT	LGLSS/500/6E-LT	500mm Gauge Length with $\pm 6\text{mm}$ Measuring Range
01/6095-LT	LGLSS/500/12.5E-LT	500mm Gauge Length with $\pm 12.5\text{mm}$ Measuring Range
01/6093-HT1	LGLSS/500/2.5E-HT1	500mm Gauge Length with $\pm 2.5\text{mm}$ Measuring Range
01/6094-HT1	LGLSS/500/6E-HT1	500mm Gauge Length with $\pm 6\text{mm}$ Measuring Range
01/6095-HT1	LGLSS/500/12.5E-HT1	500mm Gauge Length with $\pm 12.5\text{mm}$ Measuring Range
01/6093-HT2	LGLSS/500/2.5E-HT2	500mm Gauge Length with $\pm 2.5\text{mm}$ Measuring Range
01/6094-HT2	LGLSS/500/6E-HT2	500mm Gauge Length with $\pm 6\text{mm}$ Measuring Range
01/6095-HT2	LGLSS/500/12.5E-HT2	500mm Gauge Length with $\pm 12.5\text{mm}$ Measuring Range
01/6093-LHT	LGLSS/500/2.5E-LHT	500mm Gauge Length with $\pm 2.5\text{mm}$ Measuring Range
01/6094-LHT	LGLSS/500/6E-LHT	500mm Gauge Length with $\pm 6\text{mm}$ Measuring Range
01/6095-LHT	LGLSS/500/12.5E-LHT	500mm Gauge Length with $\pm 12.5\text{mm}$ Measuring Range



500mm Long Gauge Length Small Strain Extensometers

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
Standard units meet existing ASTM class B-1 and ISO 9513, class 0,5 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Options
Quick attach kit wire-forms for large specimens
Adapter kits to change gauge lengths
Special coatings and stainless steel knife edges available for biomedical tests

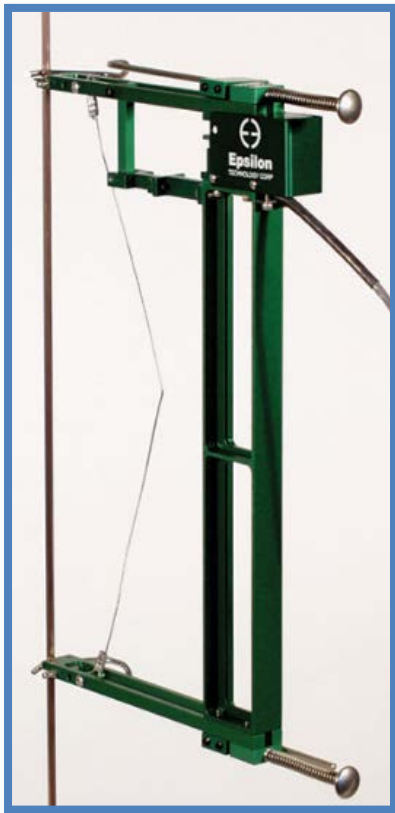
Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: 0.10% to 0.15% of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 30 g typical

4 inch Gauge Length Small Strain Extensometers

Long gauge length extensometers with gauge lengths greater than 2 inches (50 mm) for tensile and compression testing

These units have been specially designed for long gage length applications where low level strain measurements are required. These extensometers are designed for testing a wide range of materials including metals, plastics, composites and ceramics

Part Number	Catalogue Number	Description
01/6096	LGLSS/4/0.1E-ST	4 inch Gauge Length with ± 0.1 inch Measuring Range
01/6097	LGLSS/4/0.25E-ST	4 inch Gauge Length with ± 0.25 inch Measuring Range
01/6098	LGLSS/4/0.5E-ST	4 inch Gauge Length with ± 0.5 inch Measuring Range
01/6096-LT	LGLSS/4/0.1E-LT	4 inch Gauge Length with ± 0.1 inch Measuring Range
01/6097-LT	LGLSS/4/0.25E-LT	4 inch Gauge Length with ± 0.25 inch Measuring Range
01/6098-LT	LGLSS/4/0.5E-LT	4 inch Gauge Length with ± 0.5 inch Measuring Range
01/6096-HT1	LGLSS/4/0.1E-HT1	4 inch Gauge Length with ± 0.1 inch Measuring Range
01/6097-HT1	LGLSS/4/0.25E-HT1	4 inch Gauge Length with ± 0.25 inch Measuring Range
01/6098-HT1	LGLSS/4/0.5E-HT1	4 inch Gauge Length with ± 0.5 inch Measuring Range
01/6096-HT2	LGLSS/4/0.1E-HT2	4 inch Gauge Length with ± 0.1 inch Measuring Range
01/6097-HT2	LGLSS/4/0.25E-HT2	4 inch Gauge Length with ± 0.25 inch Measuring Range
01/6098-HT2	LGLSS/4/0.5E-HT2	4 inch Gauge Length with ± 0.5 inch Measuring Range
01/6096-LHT	LGLSS/4/0.1E-LHT	4 inch Gauge Length with ± 0.1 inch Measuring Range
01/6097-LHT	LGLSS/4/0.25E-LHT	4 inch Gauge Length with ± 0.25 inch Measuring Range
01/6098-LHT	LGLSS/4/0.5E-LHT	4 inch Gauge Length with ± 0.5 inch Measuring Range



4 inch Long Gauge Length Small Strain Extensometers

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
Standard units meet existing ASTM class B-1 and ISO 9513, class 0,5 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Options
Quick attach kit wire-forms for large specimens
Adapter kits to change gauge lengths
Special coatings and stainless steel knife edges available for biomedical tests

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: 0.10% to 0.15% of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 30 g typical

6 inch Gauge Length Small Strain Extensometers

Long gauge length extensometers with gauge lengths greater than 2 inches (50 mm) for tensile and compression testing

These units have been specially designed for long gage length applications where low level strain measurements are required. These extensometers are designed for testing a wide range of materials including metals, plastics, composites and ceramics

Part Number	Catalogue Number	Description
01/6099	LGLSS/6/0.1E-ST	6 inch Gauge Length with ± 0.1 inch Measuring Range
01/6100	LGLSS/6/0.25E-ST	6 inch Gauge Length with ± 0.25 inch Measuring Range
01/6101	LGLSS/6/0.5E-ST	6 inch Gauge Length with ± 0.5 inch Measuring Range
01/6099-LT	LGLSS/6/0.1E-LT	6 inch Gauge Length with ± 0.1 inch Measuring Range
01/6100-LT	LGLSS/6/0.25E-LT	6 inch Gauge Length with ± 0.25 inch Measuring Range
01/6101-LT	LGLSS/6/0.5E-LT	6 inch Gauge Length with ± 0.5 inch Measuring Range
01/6099-HT1	LGLSS/6/0.1E-HT1	6 inch Gauge Length with ± 0.1 inch Measuring Range
01/6100-HT1	LGLSS/6/0.25E-HT1	6 inch Gauge Length with ± 0.25 inch Measuring Range
01/6101-HT1	LGLSS/6/0.5E-HT1	6 inch Gauge Length with ± 0.5 inch Measuring Range
01/6099-HT2	LGLSS/6/0.1E-HT2	6 inch Gauge Length with ± 0.1 inch Measuring Range
01/6100-HT2	LGLSS/6/0.25E-HT2	6 inch Gauge Length with ± 0.25 inch Measuring Range
01/6101-HT2	LGLSS/6/0.5E-HT2	6 inch Gauge Length with ± 0.5 inch Measuring Range
01/6099-LHT	LGLSS/6/0.1E-LHT	6 inch Gauge Length with ± 0.1 inch Measuring Range
01/6100-LHT	LGLSS/6/0.25E-LHT	6 inch Gauge Length with ± 0.25 inch Measuring Range
01/6101-LHT	LGLSS/6/0.5E-LHT	6 inch Gauge Length with ± 0.5 inch Measuring Range



6 inch Long Gauge Length Small Strain Extensometers

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
Standard units meet existing ASTM class B-1 and ISO 9513, class 0,5 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Options
Quick attach kit wire-forms for large specimens
Adapter kits to change gauge lengths
Special coatings and stainless steel knife edges available for biomedical tests

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: 0.10% to 0.15% of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 30 g typical

8 inch Gauge Length Small Strain Extensometers

Long gauge length extensometers with gauge lengths greater than 2 inches (50 mm) for tensile and compression testing

These units have been specially designed for long gage length applications where low level strain measurements are required. These extensometers are designed for testing a wide range of materials including metals, plastics, composites and ceramics

Part Number	Catalogue Number	Description
01/6102	LGLSS/8/0.1E-ST	8 inch Gauge Length with ± 0.1 inch Measuring Range
01/6103	LGLSS/8/0.25E-ST	8 inch Gauge Length with ± 0.25 inch Measuring Range
01/6104	LGLSS/8/0.5E-ST	8 inch Gauge Length with ± 0.5 inch Measuring Range
01/6102-LT	LGLSS/8/0.1E-LT	8 inch Gauge Length with ± 0.1 inch Measuring Range
01/6103-LT	LGLSS/8/0.25E-LT	8 inch Gauge Length with ± 0.25 inch Measuring Range
01/6104-LT	LGLSS/8/0.5E-LT	8 inch Gauge Length with ± 0.5 inch Measuring Range
01/6102-HT1	LGLSS/8/0.1E-HT1	8 inch Gauge Length with ± 0.1 inch Measuring Range
01/6103-HT1	LGLSS/8/0.25E-HT1	8 inch Gauge Length with ± 0.25 inch Measuring Range
01/6104-HT1	LGLSS/8/0.5E-HT1	8 inch Gauge Length with ± 0.5 inch Measuring Range
01/6102-HT2	LGLSS/8/0.1E-HT2	8 inch Gauge Length with ± 0.1 inch Measuring Range
01/6103-HT2	LGLSS/8/0.25E-HT2	8 inch Gauge Length with ± 0.25 inch Measuring Range
01/6104-HT2	LGLSS/8/0.5E-HT2	8 inch Gauge Length with ± 0.5 inch Measuring Range
01/6102-LHT	LGLSS/8/0.1E-LHT	8 inch Gauge Length with ± 0.1 inch Measuring Range
01/6103-LHT	LGLSS/8/0.25E-LHT	8 inch Gauge Length with ± 0.25 inch Measuring Range
01/6104-LHT	LGLSS/8/0.5E-LHT	8 inch Gauge Length with ± 0.5 inch Measuring Range



8 inch Long Gauge Length Small Strain Extensometers

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
Standard units meet existing ASTM class B-1 and ISO 9513, class 0,5 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Options
Quick attach kit wire-forms for large specimens
Adapter kits to change gauge lengths
Special coatings and stainless steel knife edges available for biomedical tests

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: 0.10% to 0.15% of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 30 g typical

10 inch Gauge Length Small Strain Extensometers

Long gauge length extensometers with gauge lengths greater than 2 inches (50 mm) for tensile and compression testing

These units have been specially designed for long gage length applications where low level strain measurements are required. These extensometers are designed for testing a wide range of materials including metals, plastics, composites and ceramics

Part Number	Catalogue Number	Description
01/6104	LGLSS/10/0.1E-ST	10 inch Gauge Length with ± 0.1 inch Measuring Range
01/6105	LGLSS/10/0.25E-ST	10 inch Gauge Length with ± 0.25 inch Measuring Range
01/6106	LGLSS/10/0.5E-ST	10 inch Gauge Length with ± 0.5 inch Measuring Range
01/6104-LT	LGLSS/10/0.1E-LT	10 inch Gauge Length with ± 0.1 inch Measuring Range
01/6105-LT	LGLSS/10/0.25E-LT	10 inch Gauge Length with ± 0.25 inch Measuring Range
01/6106-LT	LGLSS/10/0.5E-LT	10 inch Gauge Length with ± 0.5 inch Measuring Range
01/6104-HT1	LGLSS/10/0.1E-HT1	10 inch Gauge Length with ± 0.1 inch Measuring Range
01/6105-HT1	LGLSS/10/0.25E-HT1	10 inch Gauge Length with ± 0.25 inch Measuring Range
01/6106-HT1	LGLSS/10/0.5E-HT1	10 inch Gauge Length with ± 0.5 inch Measuring Range
01/6104-HT2	LGLSS/10/0.1E-HT2	10 inch Gauge Length with ± 0.1 inch Measuring Range
01/6105-HT2	LGLSS/10/0.25E-HT2	10 inch Gauge Length with ± 0.25 inch Measuring Range
01/6106-HT2	LGLSS/10/0.5E-HT2	10 inch Gauge Length with ± 0.5 inch Measuring Range
01/6104-LHT	LGLSS/10/0.1E-LHT	10 inch Gauge Length with ± 0.1 inch Measuring Range
01/6105-LHT	LGLSS/10/0.25E-LHT	10 inch Gauge Length with ± 0.25 inch Measuring Range
01/6106-LHT	LGLSS/10/0.5E-LHT	10 inch Gauge Length with ± 0.5 inch Measuring Range



10 inch Long Gauge Length Small Strain Extensometers

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
Standard units meet existing ASTM class B-1 and ISO 9513, class 0,5 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Options
Quick attach kit wire-forms for large specimens
Adapter kits to change gauge lengths
Special coatings and stainless steel knife edges available for biomedical tests

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: 0.10% to 0.15% of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 30 g typical

20 inch Gauge Length Small Strain Extensometers

Long gauge length extensometers with gauge lengths greater than 2 inches (50 mm) for tensile and compression testing

These units have been specially designed for long gage length applications where low level strain measurements are required. These extensometers are designed for testing a wide range of materials including metals, plastics, composites and ceramics

Part Number	Catalogue Number	Description
01/6107	LGLSS/20/0.1E-ST	20 inch Gauge Length with ± 0.1 inch Measuring Range
01/6108	LGLSS/20/0.25E-ST	20 inch Gauge Length with ± 0.25 inch Measuring Range
01/6109	LGLSS/20/0.5E-ST	20 inch Gauge Length with ± 0.5 inch Measuring Range
01/6107-LT	LGLSS/20/0.1E-LT	20 inch Gauge Length with ± 0.1 inch Measuring Range
01/6108-LT	LGLSS/20/0.25E-LT	20 inch Gauge Length with ± 0.25 inch Measuring Range
01/6109-LT	LGLSS/20/0.5E-LT	20 inch Gauge Length with ± 0.5 inch Measuring Range
01/6107-HT1	LGLSS/20/0.1E-HT1	20 inch Gauge Length with ± 0.1 inch Measuring Range
01/6108-HT1	LGLSS/20/0.25E-HT1	20 inch Gauge Length with ± 0.25 inch Measuring Range
01/6109-HT1	LGLSS/20/0.5E-HT1	20 inch Gauge Length with ± 0.5 inch Measuring Range
01/6107-HT2	LGLSS/20/0.1E-HT2	20 inch Gauge Length with ± 0.1 inch Measuring Range
01/6108-HT2	LGLSS/20/0.25E-HT2	20 inch Gauge Length with ± 0.25 inch Measuring Range
01/6109-HT2	LGLSS/20/0.5E-HT2	20 inch Gauge Length with ± 0.5 inch Measuring Range
01/6107-LHT	LGLSS/20/0.1E-LHT	20 inch Gauge Length with ± 0.1 inch Measuring Range
01/6108-LHT	LGLSS/20/0.25E-LHT	20 inch Gauge Length with ± 0.25 inch Measuring Range
01/6109-LHT	LGLSS/20/0.5E-LHT	20 inch Gauge Length with ± 0.5 inch Measuring Range



20 inch Long Gauge Length Small Strain Extensometers

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
Standard units meet existing ASTM class B-1 and ISO 9513, class 0,5 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Options
Quick attach kit wire-forms for large specimens
Adapter kits to change gauge lengths
Special coatings and stainless steel knife edges available for biomedical tests

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: 0.10% to 0.15% of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 30 g typical

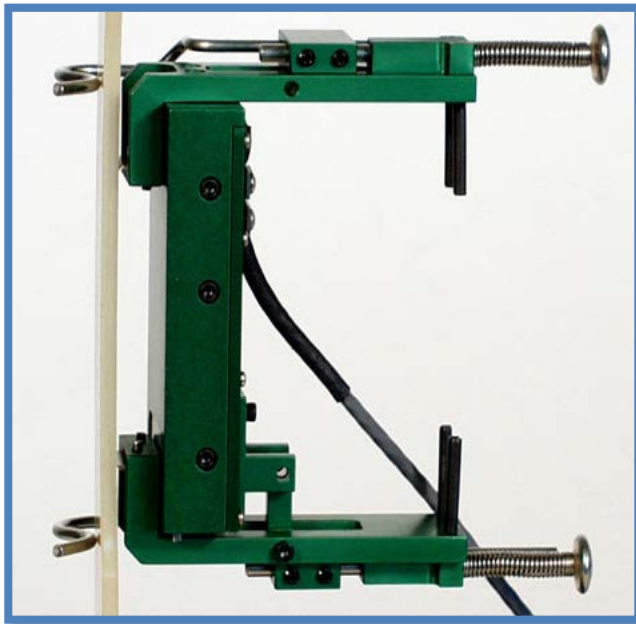
Long Gauge Length 50 mm Clip-on Extensometer

Designed to survive specimen failure by separating into two halves, thus preventing permanent damage to the module body

During operation, the upper half of the extensometer pulls out of the main body.

Tapered measuring beams activate strain gauged flexes within the unit, allowing long measuring ranges

Part Number	Catalogue Number	Description
01/6053	LSTGA/50/50E-ST	50mm Gauge Length with +25mm Measuring Range
01/6054	LSTGA/50/100E-ST	50mm Gauge Length with +50mm Measuring Range
01/6053-HT1	LSTGA/50/50E-HT1	50mm Gauge Length with +25mm Measuring Range
01/6054-HT1	LSTGA/50/100E-HT1	50mm Gauge Length with +50mm Measuring Range



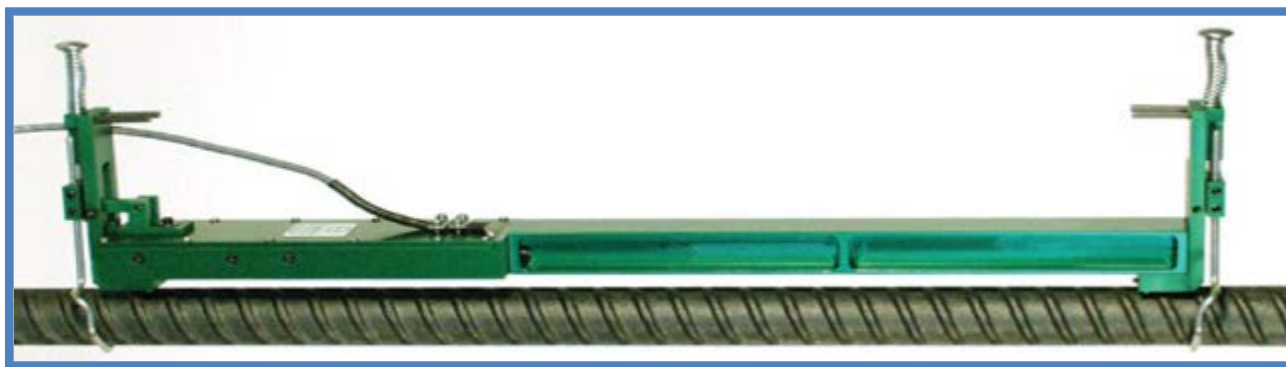
Long Gauge Length 50 mm Clip-on Extensometer

Temperature Range Options	
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
May be left on until fracture
Standard units meet existing ASTM class B-2 and ISO 9513, class 1 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Replaceable arms and spacer for easy repair

Options
Quick attach kit wire-forms for large specimens
Spacer kits to change gauge lengths
Twist option for use in applications where specimen twisting greater than 3° is expected. This option can accommodate up to 15° of twist

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: $\leq 0.15\%$ of full scale measuring range
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 125 g typical

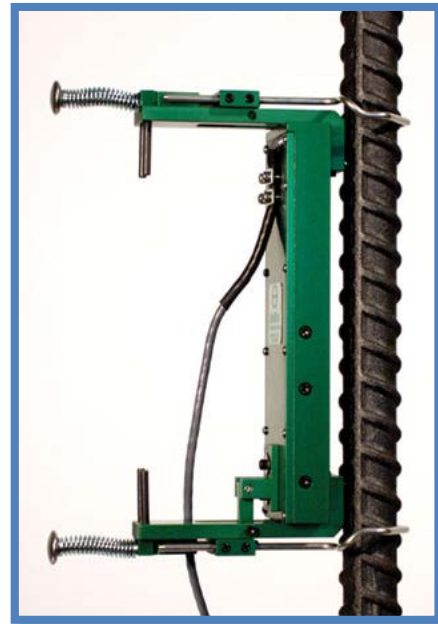
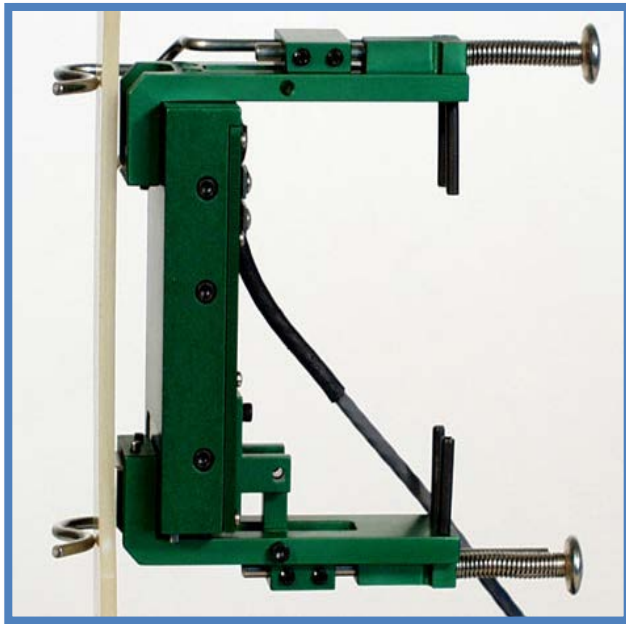


Long Gauge Length 100 mm Clip-on Extensometer

Designed to survive specimen failure by separating into two halves, thus preventing permanent damage to the module body, during operation, the upper half of the extensometer pulls out of the main body.

Tapered measuring beams activate strain gauged flexes within the unit, allowing long measuring ranges

Part Number	Catalogue Number	Description
01/6055	LSTGA/100/25E-ST	100mm Gauge Length with +25mm Measuring Range
01/6056	LSTGA/100/50E-ST	100mm Gauge Length with +50mm Measuring Range
01/6057	LSTGA/100/100E-ST	100mm Gauge Length with +100mm Measuring Range
01/6055-HT1	LSTGA/100/25E-HT1	100mm Gauge Length with +25mm Measuring Range
01/6056-HT1	LSTGA/100/50E-HT1	100mm Gauge Length with +50mm Measuring Range
01/6057-HT1	LSTGA/100/100E-HT1	100mm Gauge Length with +100mm Measuring Range



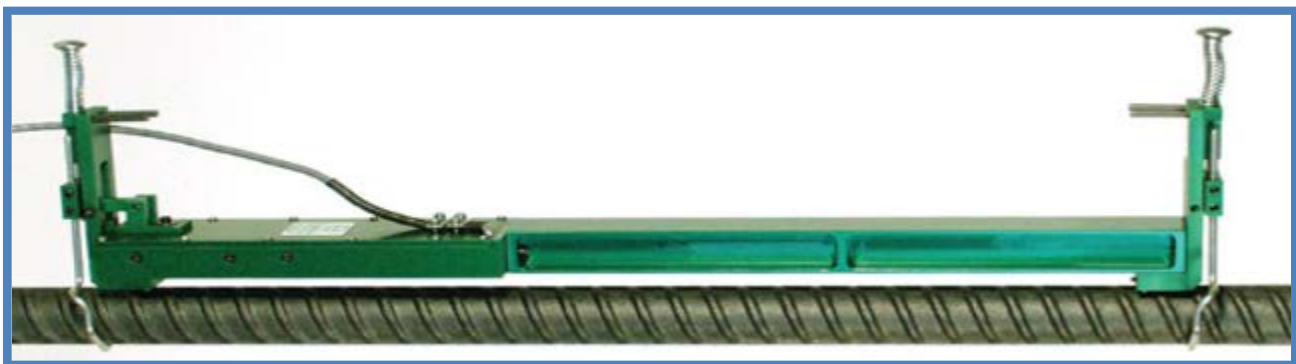
Long Gauge Length 100 mm Clip-on Extensometer

Temperature Range Options	
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
May be left on until fracture
Standard units meet existing ASTM class B-2 and ISO 9513, class 1 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Replaceable arms and spacer for easy repair

Options
Quick attach kit wire-forms for large specimens
Spacer kits to change gauge lengths
Twist option for use in applications where specimen twisting greater than 3° is expected. This option can accommodate up to 15° of twist

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: ≤0.15% of full scale measuring range
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 125 g typical

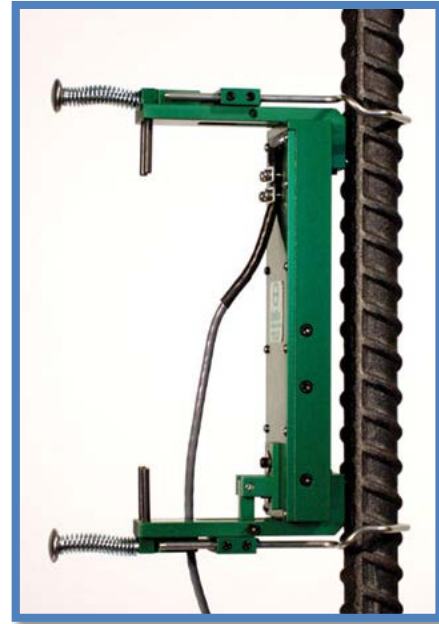


Long Gauge Length 150 mm Clip-on Extensometer

Designed to survive specimen failure by separating into two halves, thus preventing permanent damage to the module body, during operation, the upper half of the extensometer pulls out of the main body.

Tapered measuring beams activate strain gauged flexes within the unit, allowing long measuring ranges

Part Number	Catalogue Number	Description
01/6058	LSTGA/150/16E-ST	150mm Gauge Length with +25mm Measuring Range
01/6059	LSTGA/150/33E-ST	150mm Gauge Length with +50mm Measuring Range
01/6060	LSTGA/150/66E-ST	150mm Gauge Length with +100mm Measuring Range
01/6058-HT1	LSTGA/150/16E-HT1	150mm Gauge Length with +25mm Measuring Range
01/6059-HT1	LSTGA/150/33E-HT1	150mm Gauge Length with +50mm Measuring Range
01/6060-HT1	LSTGA/150/66E-HT1	150mm Gauge Length with +100mm Measuring Range



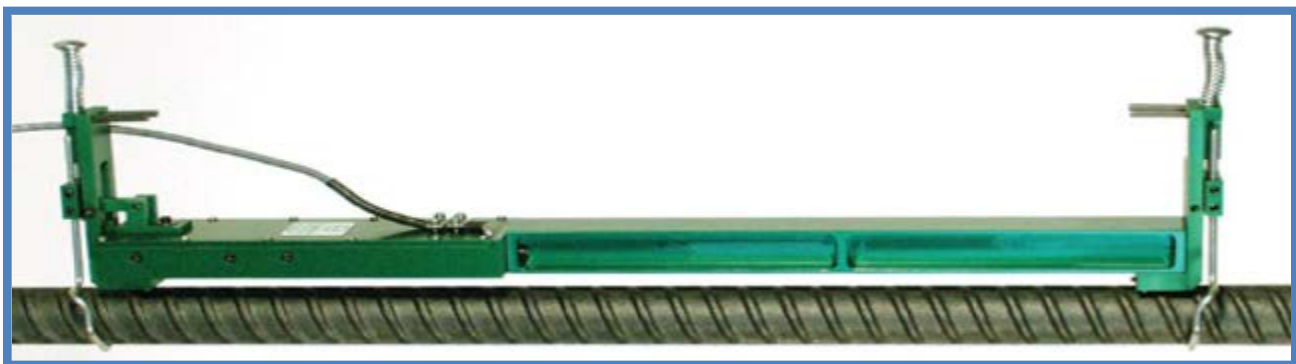
Long Gauge Length 150 mm Clip-on Extensometer

Temperature Range Options	
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
May be left on until fracture
Standard units meet existing ASTM class B-2 and ISO 9513, class 1 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Replaceable arms and spacer for easy repair

Options
Quick attach kit wire-forms for large specimens
Spacer kits to change gauge lengths
Twist option for use in applications where specimen twisting greater than 3° is expected. This option can accommodate up to 15° of twist

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: ≤0.15% of full scale measuring range
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 125 g typical

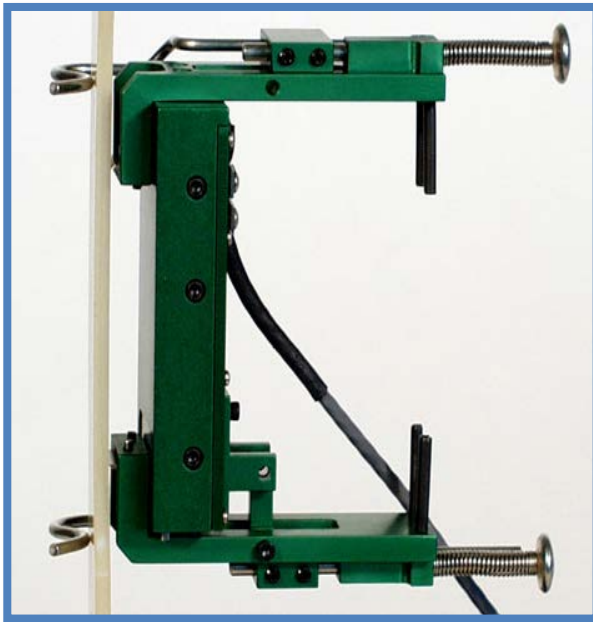


Long Gauge Length 200 mm Clip-on Extensometer

Designed to survive specimen failure by separating into two halves, thus preventing permanent damage to the module body, during operation, the upper half of the extensometer pulls out of the main body.

Tapered measuring beams activate strain gauged flexes within the unit, allowing long measuring ranges

Part Number	Catalogue Number	Description
01/6061	LSTGA/200/12.5E-ST	200mm Gauge Length with +25mm Measuring Range
01/6062	LSTGA/200/25E-ST	200mm Gauge Length with +50mm Measuring Range
01/6063	LSTGA/200/100E-ST	200mm Gauge Length with +100mm Measuring Range
01/6061-HT1	LSTGA/200/12.5E-HT1	200mm Gauge Length with +25mm Measuring Range
01/6062-HT1	LSTGA/200/25E-HT1	200mm Gauge Length with +50mm Measuring Range
01/6063-HT1	LSTGA/200/100E-HT1	200mm Gauge Length with +100mm Measuring Range



Long Gauge Length 200 mm Clip-on Extensometer

Temperature Range Options	
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
May be left on until fracture
Standard units meet existing ASTM class B-2 and ISO 9513, class 1 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Replaceable arms and spacer for easy repair

Options
Quick attach kit wire-forms for large specimens
Spacer kits to change gauge lengths
Twist option for use in applications where specimen twisting greater than 3° is expected. This option can accommodate up to 15° of twist

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: ≤0.15% of full scale measuring range
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 125 g typical

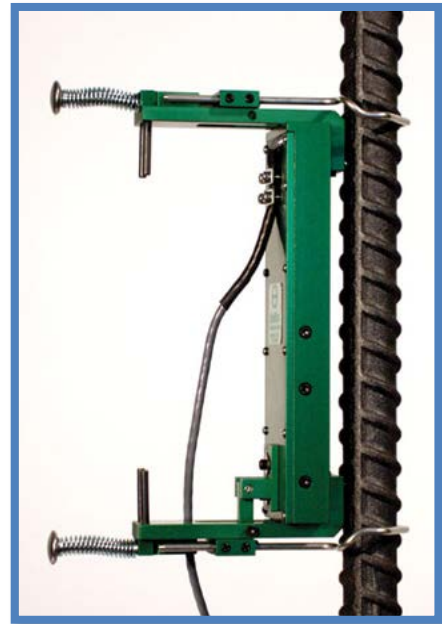


Long Gauge Length 250 mm Clip-on Extensometer

Designed to survive specimen failure by separating into two halves, thus preventing permanent damage to the module body, during operation, the upper half of the extensometer pulls out of the main body.

Tapered measuring beams activate strain gauged flexes within the unit, allowing long measuring ranges

Part Number	Catalogue Number	Description
01/6064	LSTGA/250/10E-ST	250mm Gauge Length with +25mm Measuring Range
01/6065	LSTGA/250/20E-ST	250mm Gauge Length with +50mm Measuring Range
01/6066	LSTGA/250/40E-ST	250mm Gauge Length with +100mm Measuring Range
01/6064-HT1	LSTGA/250/10E-HT1	250mm Gauge Length with +25mm Measuring Range
01/6065-HT1	LSTGA/250/20E-HT1	250mm Gauge Length with +50mm Measuring Range
01/6066-HT1	LSTGA/250/40E-HT1	250mm Gauge Length with +100mm Measuring Range



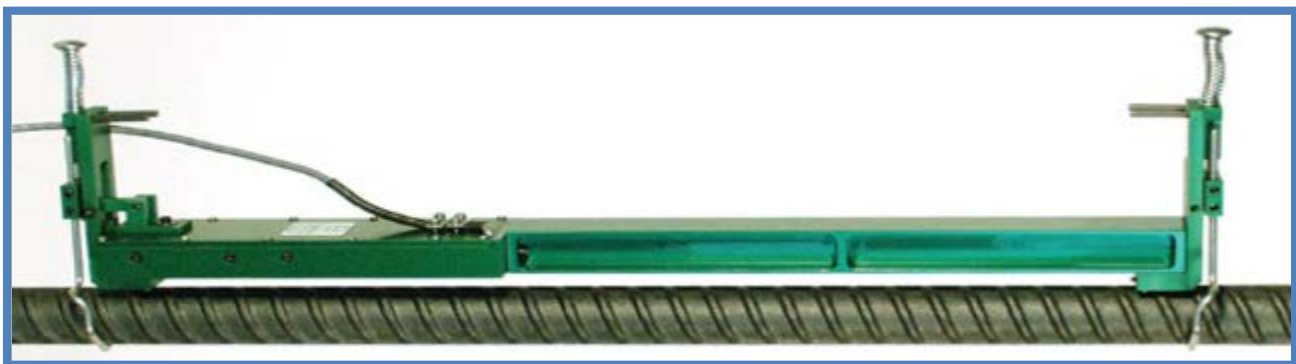
Long Gauge Length 250 mm Clip-on Extensometer

Temperature Range Options	
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
May be left on until fracture
Standard units meet existing ASTM class B-2 and ISO 9513, class 1 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Replaceable arms and spacer for easy repair

Options
Quick attach kit wire-forms for large specimens
Spacer kits to change gauge lengths
Twist option for use in applications where specimen twisting greater than 3° is expected. This option can accommodate up to 15° of twist

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: ≤0.15% of full scale measuring range
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 125 g typical



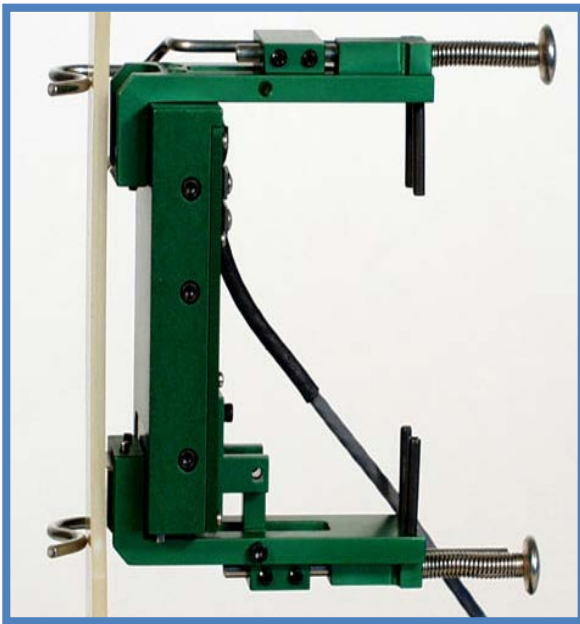
Long Gauge Length 2 inch Clip-on Extensometer

Designed to survive specimen failure by separating into two halves, thus preventing permanent damage to the module body

During operation, the upper half of the extensometer pulls out of the main body.

Tapered measuring beams activate strain gauged flexes within the unit, allowing long measuring ranges

Part Number	Catalogue Number	Description
01/6067	LSTGA/2/50E-ST	2 inch Gauge Length with +1 inch Measuring Range
01/6068	LSTGA/2/100E-ST	2 inch Gauge Length with +2 inch Measuring Range
01/6067-HT1	LSTGA/2/50E-HT1	2 inch Gauge Length with +1 inch Measuring Range
01/6068-HT1	LSTGA/2/100E-HT1	2 inch Gauge Length with +2 inch Measuring Range



Long Gauge Length 2 inch Clip-on Extensometer

Temperature Range Options	
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
May be left on until fracture
Standard units meet existing ASTM class B-2 and ISO 9513, class 1 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Replaceable arms and spacer for easy repair

Options
Quick attach kit wire-forms for large specimens
Spacer kits to change gauge lengths
Twist option for use in applications where specimen twisting greater than 3° is expected. This option can accommodate up to 15° of twist

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: ≤0.15% of full scale measuring range
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 125 g typical

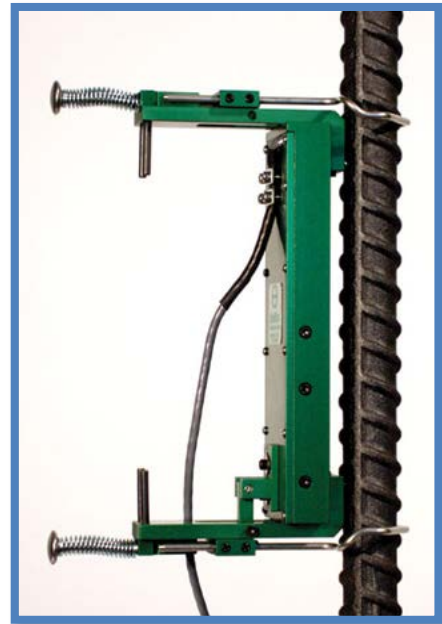


Long Gauge Length 4 inch Clip-on Extensometer

Designed to survive specimen failure by separating into two halves, thus preventing permanent damage to the module body, during operation, the upper half of the extensometer pulls out of the main body.

Tapered measuring beams activate strain gauged flexes within the unit, allowing long measuring ranges

Part Number	Catalogue Number	Description
01/6069	LSTGA/4/25E-ST	4 inch Gauge Length with 1 inch Measuring Range
01/6070	LSTGA/4/50E-ST	4 inch Gauge Length with 2 inch Measuring Range
01/6071	LSTGA/4/100E-ST	4 inch Gauge Length with 4 inch Measuring Range
01/6069-HT1	LSTGA/4/25E-HT1	4 inch Gauge Length with 1 inch Measuring Range
01/6070-HT1	LSTGA/4/50E-HT1	4 inch Gauge Length with 2 inch Measuring Range
01/6071-HT1	LSTGA/4/100E-HT1	4 inch Gauge Length with 4 inch Measuring Range



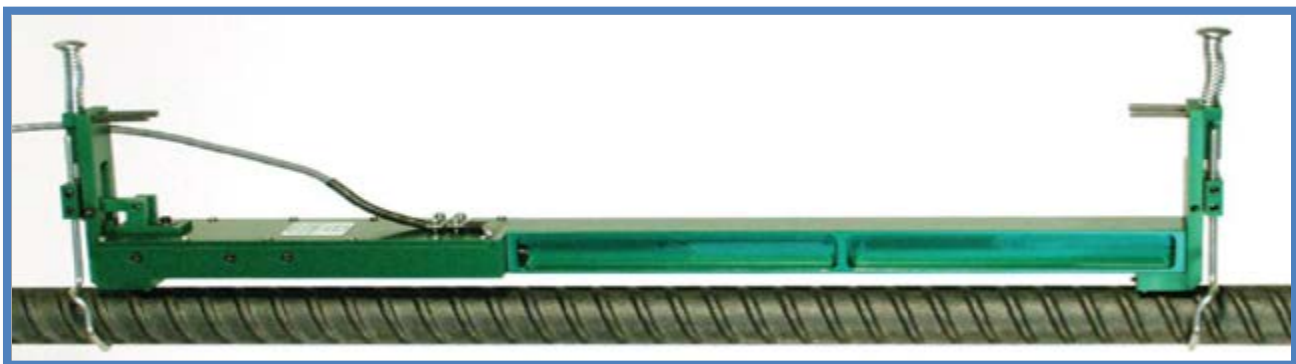
Long Gauge Length 4 inch Clip-on Extensometer

Temperature Range Options	
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
May be left on until fracture
Standard units meet existing ASTM class B-2 and ISO 9513, class 1 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Replaceable arms and spacer for easy repair

Options
Quick attach kit wire-forms for large specimens
Spacer kits to change gauge lengths
Twist option for use in applications where specimen twisting greater than 3° is expected. This option can accommodate up to 15° of twist

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: ≤0.15% of full scale measuring range
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 125 g typical

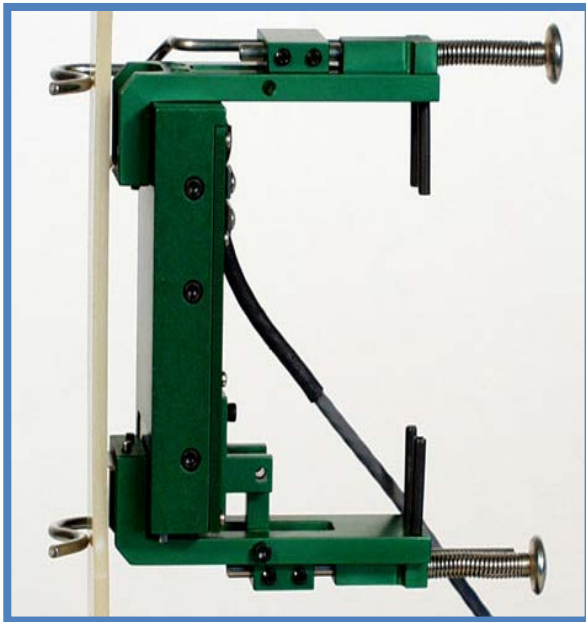


Long Gauge Length 6 inch Clip-on Extensometer

Designed to survive specimen failure by separating into two halves, thus preventing permanent damage to the module body, during operation, the upper half of the extensometer pulls out of the main body.

Tapered measuring beams activate strain gauged flexes within the unit, allowing long measuring ranges

Part Number	Catalogue Number	Description
01/6072	LSTGA/6/16E-ST	6 inch Gauge Length with 1 inch Measuring Range
01/6073	LSTGA/6/33E-ST	6 inch Gauge Length with 2 inch Measuring Range
01/6074	LSTGA/6/66E-ST	6 inch Gauge Length with 4 inch Measuring Range
01/6072-HT1	LSTGA/6/16E-HT1	6 inch Gauge Length with 1 inch Measuring Range
01/6073-HT1	LSTGA/6/33E-HT1	6 inch Gauge Length with 2 inch Measuring Range
01/6074-HT1	LSTGA/6/66E-HT1	6 inch Gauge Length with 4 inch Measuring Range



Long Gauge Length 6 inch Clip-on Extensometer

Temperature Range Options	
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
May be left on until fracture
Standard units meet existing ASTM class B-2 and ISO 9513, class 1 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Replaceable arms and spacer for easy repair

Options
Quick attach kit wire-forms for large specimens
Spacer kits to change gauge lengths
Twist option for use in applications where specimen twisting greater than 3° is expected. This option can accommodate up to 15° of twist

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: ≤0.15% of full scale measuring range
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 125 g typical

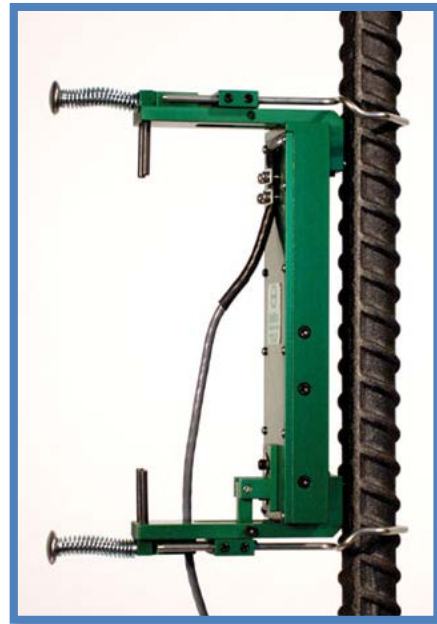


Long Gauge Length 8 inch Clip-on Extensometer

Designed to survive specimen failure by separating into two halves, thus preventing permanent damage to the module body, during operation, the upper half of the extensometer pulls out of the main body.

Tapered measuring beams activate strain gauged flexes within the unit, allowing long measuring ranges

Part Number	Catalogue Number	Description
01/6075	LSTGA/8/12.5E-ST	8 inch Gauge Length with 1 inch Measuring Range
01/6076	LSTGA/8/25E-ST	8 inch Gauge Length with 2 inch Measuring Range
01/6077	LSTGA/8/50E-ST	8 inch Gauge Length with 4 inch Measuring Range
01/6075-HT1	LSTGA/8/12.5E-HT1	8 inch Gauge Length with 1 inch Measuring Range
01/6076-HT1	LSTGA/8/25E-HT1	8 inch Gauge Length with 2 inch Measuring Range
01/6077-HT1	LSTGA/8/50E-HT1	8 inch Gauge Length with 4 inch Measuring Range



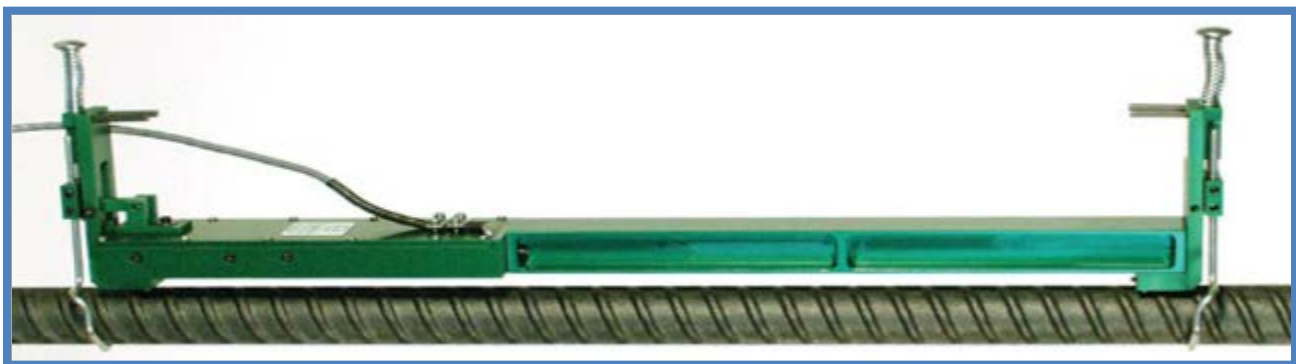
Long Gauge Length 8 inch Clip-on Extensometer

Temperature Range Options	
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
May be left on until fracture
Standard units meet existing ASTM class B-2 and ISO 9513, class 1 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Replaceable arms and spacer for easy repair

Options
Quick attach kit wire-forms for large specimens
Spacer kits to change gauge lengths
Twist option for use in applications where specimen twisting greater than 3° is expected. This option can accommodate up to 15° of twist

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: ≤0.15% of full scale measuring range
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 125 g typical

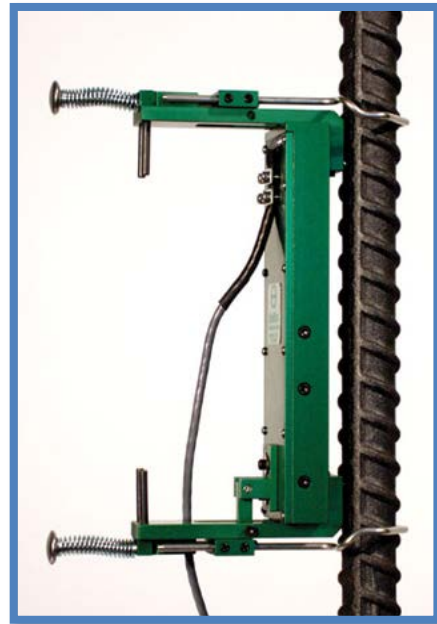


Long Gauge Length 10 inch Clip-on Extensometer

Designed to survive specimen failure by separating into two halves, thus preventing permanent damage to the module body, during operation, the upper half of the extensometer pulls out of the main body.

Tapered measuring beams activate strain gauged flexes within the unit, allowing long measuring ranges

Part Number	Catalogue Number	Description
01/6078	LSTGA/10/10E-ST	10 inch Gauge Length with 1 inch Measuring Range
01/6079	LSTGA/10/20E-ST	10 inch Gauge Length with 2 inch Measuring Range
01/6080	LSTGA/10/40E-ST	10 inch Gauge Length with 4 inch Measuring Range
01/6078-HT1	LSTGA/10/10E-HT1	10 inch Gauge Length with 1 inch Measuring Range
01/6079-HT1	LSTGA/10/20E-HT1	10 inch Gauge Length with 2 inch Measuring Range
01/6080-HT1	LSTGA/10/40E-HT1	10 inch Gauge Length with 4 inch Measuring Range



Long Gauge Length 10 inch Clip-on Extensometer

Temperature Range Options	
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
May be left on until fracture
Standard units meet existing ASTM class B-2 and ISO 9513, class 1 requirements for accuracy
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Replaceable arms and spacer for easy repair

Options
Quick attach kit wire-forms for large specimens
Spacer kits to change gauge lengths
Twist option for use in applications where specimen twisting greater than 3° is expected. This option can accommodate up to 15° of twist

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: ≤0.15% of full scale measuring range
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Fits round samples up to 25mm diameter (1 inch) and flats to 12 mm by 31 mm (0.5 inch thick by 1.25 inch wide)
Operating Force: 125 g typical



Metric Deflection Gauges

Widely used for measuring deformations in three point and four point bend tests, compression tests, pipe tests and a variety of general purpose deformations and supplied with a magnetic base for easy mounting.

Deflection is measured with a single arm with an attached spherical contact tip, similar to those on a dial indicator. The magnetic base furnished with the gauge can be mounted to the desired reference surface, whether flat or round. The tip can then be positioned to measure the deformation encountered during the test.

All models feature a spring loaded arm that can break free in the event of excessive displacement, protecting the gauge from damage. The upper arm exerts a small spring force against the specimen.

These units come standard with the arm set to measure downward deflections when oriented in the upright position. They can be used upside down or in any orientation.

They may also be configured with the extensometer arm spring loaded downward.

Part Number	Catalogue Number	Description
01/3362	STGD/001M/E-ST	Deflection gauge with 1mm travel
013361	STGD/004M/E-ST	Deflection gauge with 4mm travel
01/3360	STGD/006M/E-ST	Deflection gauge with 6mm travel
01/3359	STGD/012M/E-ST	Deflection gauge with 12mm travel
01/3358	STGD/025M/E-ST	Deflection gauge with 25mm travel
01/6047	STGD/050M/E-ST	Deflection gauge with 50mm travel
01/3362-LT	STGD/001M/E-LT	Deflection gauge with 1mm travel
01/3361-LT	STGD/004M/E-LT	Deflection gauge with 4mm travel
01/3360-LT	STGD/006M/E-LT	Deflection gauge with 6mm travel
01/3359-LT	STGD/012M/E-LT	Deflection gauge with 12mm travel
01/3358-LT	STGD/025M/E-LT	Deflection gauge with 25mm travel
01/6047-LT	STGD/050M/E-LT	Deflection gauge with 50mm travel
01/3362-HT1	STGD/001M/E-HT1	Deflection gauge with 1mm travel
01/3361-HT1	STGD/004M/E-HT1	Deflection gauge with 4mm travel
01/3360-HT1	STGD/006M/E-HT1	Deflection gauge with 6mm travel
01/3359-HT1	STGD/012M/E-HT1	Deflection gauge with 12mm travel
01/3358-HT1	STGD/025M/E-HT1	Deflection gauge with 25mm travel
01/6047-HT1	STGD/050M/E-HT1	Deflection gauge with 50mm travel
01/3362-HT2	STGD/001M/E-HT2	Deflection gauge with 1mm travel
01/3361-HT2	STGD/004M/E-HT2	Deflection gauge with 4mm travel
01/3360-HT2	STGD/006M/E-HT2	Deflection gauge with 6mm travel
01/3359-HT2	STGD/012M/E-HT2	Deflection gauge with 12mm travel
01/3358-HT2	STGD/025M/E-HT2	Deflection gauge with 25mm travel
01/6047-HT2	STGD/050M/E-HT2	Deflection gauge with 50mm travel
01/3362-LHT	STGD/001M/E-LHT	Deflection gauge with 1mm travel
01/3361-LHT	STGD/004M/E-LHT	Deflection gauge with 4mm travel
01/3360-LHT	STGD/006M/E-LHT	Deflection gauge with 6mm travel
01/3359-LHT	STGD/012M/E-LHT	Deflection gauge with 12mm travel
01/3358-LHT	STGD/025M/E-LHT	Deflection gauge with 25mm travel
01/6047-LHT	STGD/050M/E-LHT	Deflection gauge with 50mm travel

Metric Deflection Gauges

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Snap off measuring arm for device protection
May be left on until fracture
Hardened tool spherical tip
Measuring of Tension and Compression (<i>model dependant</i>)
Spring Loaded

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: 0.15% to 0.25% of full measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Operating Force: 50 g typical



Imperial Deflection Gauges

Widely used for measuring deformations in three point and four point bend tests, compression tests, pipe tests and a variety of general purpose deformations and supplied with a magnetic base for easy mounting.

Deflection is measured with a single arm with an attached spherical contact tip, similar to those on a dial indicator. The magnetic base furnished with the gauge can be mounted to the desired reference surface, whether flat or round. The tip can then be positioned to measure the deformation encountered during the test.

All models feature a spring loaded arm that can break free in the event of excessive displacement, protecting the gauge from damage. The upper arm exerts a small spring force against the specimen.

These units come standard with the arm set to measure downward deflections when oriented in the upright position. They can be used upside down or in any orientation.

They may also be configured with the extensometer arm spring loaded downward.

Part Number	Catalogue Number	Description
01/6048	STGD/0.05I/E-ST	Deflection gauge with 0.05 inch travel
01/6049	STGD/0.15I/E-ST	Deflection gauge with 0.15 inch travel
01/6050	STGD/0.25I/E-ST	Deflection gauge with 0.25 inch travel
01/6051	STGD/0.5I/E-ST	Deflection gauge with 0.5 inch travel
01/6052	STGD/1I/E-ST	Deflection gauge with 1 inch travel
01/6053	STGD/2I/E-ST	Deflection gauge with 2 inch travel
01/6048-LT	STGD/0.05I/E-LT	Deflection gauge with 0.05 inch travel
01/6049-LT	STGD/0.15I/E-LT	Deflection gauge with 0.15 inch travel
01/6050-LT	STGD/0.25I/E-LT	Deflection gauge with 0.25 inch travel
01/6051-LT	STGD/0.5I/E-LT	Deflection gauge with 0.5 inch travel
01/6052-LT	STGD/1I/E-LT	Deflection gauge with 1 inch travel
01/6053-LT	STGD/2I/E-LT	Deflection gauge with 2 inch travel
01/6048-HT1	STGD/0.05I/E-HT1	Deflection gauge with 0.05 inch travel
01/6049-HT1	STGD/0.15I/E-HT1	Deflection gauge with 0.15 inch travel
01/6050-HT1	STGD/0.25I/E-HT1	Deflection gauge with 0.25 inch travel
01/6051-HT1	STGD/0.5I/E-HT1	Deflection gauge with 0.5 inch travel
01/6052-HT1	STGD/1I/E-HT1	Deflection gauge with 1 inch travel
01/6053-HT1	STGD/2I/E-HT1	Deflection gauge with 2 inch travel
01/6048-HT2	STGD/0.05I/E-HT2	Deflection gauge with 0.05 inch travel
01/6049-HT2	STGD/0.15I/E-HT2	Deflection gauge with 0.15 inch travel
01/6050-HT2	STGD/0.25I/E-HT2	Deflection gauge with 0.25 inch travel
01/6051-HT2	STGD/0.5I/E-HT2	Deflection gauge with 0.5 inch travel
01/6052-HT2	STGD/1I/E-HT2	Deflection gauge with 1 inch travel
01/6053-HT2	STGD/2I/E-HT2	Deflection gauge with 2 inch travel
01/6048-LHT	STGD/0.05I/E-LHT	Deflection gauge with 0.05 inch travel
01/6049-LHT	STGD/0.15I/E-LHT	Deflection gauge with 0.15 inch travel
01/6050-LHT	STGD/0.25I/E-LHT	Deflection gauge with 0.25 inch travel
01/6051-LHT	STGD/0.5I/E-LHT	Deflection gauge with 0.5 inch travel
01/6052-LHT	STGD/1I/E-LHT	Deflection gauge with 1 inch travel
01/6053-LHT	STGD/2I/E-LHT	Deflection gauge with 2 inch travel

Imperial Deflection Gauges

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Snap off measuring arm for device protection
May be left on until fracture
Hardened tool spherical tip
Measuring of Tension and Compression (<i>model dependant</i>)
Spring Loaded

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: 0.15% to 0.25% of full measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Operating Force: 50 g typical



Metric Transverse (Diametral) Extensometers

Designed for general purpose transverse or diametral strain measurement on axially loaded specimens. They are commonly used for measurement of Poisson's ratio, for transverse measurements with anisotropic materials like many composites and for sheet metal testing such as r-value determination. Most often they are used simultaneously with axial extensometers. These units easily clip onto the sample and are held in place with an integral spring. Rounded contact edges maintain the position on the specimen.

Part Number	Catalogue Number	Description
01/2803	STGT/050M-ST	Transverse Strain Measurement $\pm 0.5\text{mm}$
01/2804	STGT/100M-ST	Transverse Strain Measurement $\pm 1.0\text{mm}$
01/2805	STGT/250M-ST	Transverse Strain Measurement $\pm 2.5\text{mm}$
01/6214	STGT/300M-ST	Transverse Strain Measurement $\pm 3.0\text{mm}$
01/6215	STGT/500M-ST	Transverse Strain Measurement $\pm 5.0\text{mm}$
01/2803-LT	STGT/050M-LT	Transverse Strain Measurement $\pm 0.5\text{mm}$
01/2804-LT	STGT/100M-LT	Transverse Strain Measurement $\pm 1.0\text{mm}$
01/2805-LT	STGT/250M-LT	Transverse Strain Measurement $\pm 2.5\text{mm}$
01/6214-LT	STGT/300M-LT	Transverse Strain Measurement $\pm 3.0\text{mm}$
01/6215-LT	STGT/500M-LT	Transverse Strain Measurement $\pm 5.0\text{mm}$
01/2803-HT1	STGT/050M-HT1	Transverse Strain Measurement $\pm 0.5\text{mm}$
01/2804-HT1	STGT/100M-HT1	Transverse Strain Measurement $\pm 1.0\text{mm}$
01/2805-HT1	STGT/250M-HT1	Transverse Strain Measurement $\pm 2.5\text{mm}$
01/6214-HT1	STGT/300M-HT1	Transverse Strain Measurement $\pm 3.0\text{mm}$
01/6215-HT1	STGT/500M-HT1	Transverse Strain Measurement $\pm 5.0\text{mm}$
01/2803-HT2	STGT/050M-HT2	Transverse Strain Measurement $\pm 0.5\text{mm}$
01/2804-HT2	STGT/100M-HT2	Transverse Strain Measurement $\pm 1.0\text{mm}$
01/2805-HT2	STGT/250M-HT2	Transverse Strain Measurement $\pm 2.5\text{mm}$
01/6214-HT2	STGT/300M-HT2	Transverse Strain Measurement $\pm 3.0\text{mm}$
01/6215-HT2	STGT/500M-HT2	Transverse Strain Measurement $\pm 5.0\text{mm}$
01/2803-LHT	STGT/050M-LHT	Transverse Strain Measurement $\pm 0.5\text{mm}$
01/2804-LHT	STGT/100M-LHT	Transverse Strain Measurement $\pm 1.0\text{mm}$
01/2805-LHT	STGT/250M-LHT	Transverse Strain Measurement $\pm 2.5\text{mm}$
01/6214-LHT	STGT/300M-LHT	Transverse Strain Measurement $\pm 3.0\text{mm}$
01/6215-LHT	STGT/500M-LHT	Transverse Strain Measurement $\pm 5.0\text{mm}$



Metric Transverse (Diametral) Extensometers

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: $\leq 0.20\%$ of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Works with samples up to 1 inch (25 mm) width or diameter
Operating Force: 30 g typical

Imperial Transverse (Diametral) Extensometers

Designed for general purpose transverse or diametral strain measurement on axially loaded specimens. They are commonly used for measurement of Poisson's ratio, for transverse measurements with anisotropic materials like many composites and for sheet metal testing such as r-value determination. Most often they are used simultaneously with axial extensometers. These units easily clip onto the sample and are held in place with an integral spring. Rounded contact edges maintain the position on the specimen.

Part Number	Catalogue Number	Description
01/6216	STGT/020T-ST	Transverse Strain Measurement ± 0.02 inch
01/6217	STGT/050T-ST	Transverse Strain Measurement ± 0.05 inch
01/6218	STGT/100T-ST	Transverse Strain Measurement ± 0.1 inch
01/6219	STGT/150T-ST	Transverse Strain Measurement ± 0.15 inch
01/6220	STGT/200T-ST	Transverse Strain Measurement ± 0.2 inch
01/6216-LT	STGT/020T-LT	Transverse Strain Measurement ± 0.02 inch
01/6217-LT	STGT/050T-LT	Transverse Strain Measurement ± 0.05 inch
01/6218-LT	STGT/100T-LT	Transverse Strain Measurement ± 0.1 inch
01/6219-LT	STGT/150T-LT	Transverse Strain Measurement ± 0.15 inch
01/6220-LT	STGT/200T-LT	Transverse Strain Measurement ± 0.2 inch
01/6216-HT1	STGT/020T-HT1	Transverse Strain Measurement ± 0.02 inch
01/6217-HT1	STGT/050T-HT1	Transverse Strain Measurement ± 0.05 inch
01/6218-HT1	STGT/100T-HT1	Transverse Strain Measurement ± 0.1 inch
01/6219-HT1	STGT/150T-HT1	Transverse Strain Measurement ± 0.15 inch
01/6220-HT1	STGT/200T-HT1	Transverse Strain Measurement ± 0.2 inch
01/6216-HT2	STGT/020T-HT2	Transverse Strain Measurement ± 0.02 inch
01/6217-HT2	STGT/050T-HT2	Transverse Strain Measurement ± 0.05 inch
01/6218-HT2	STGT/100T-HT2	Transverse Strain Measurement ± 0.1 inch
01/6219-HT2	STGT/150T-HT2	Transverse Strain Measurement ± 0.15 inch
01/6220-HT2	STGT/200T-HT2	Transverse Strain Measurement ± 0.2 inch
01/6216-LHT	STGT/020T-LHT	Transverse Strain Measurement ± 0.02 inch
01/6217-LHT	STGT/050T-LHT	Transverse Strain Measurement ± 0.05 inch
01/6218-LHT	STGT/100T-LHT	Transverse Strain Measurement ± 0.1 inch
01/6219-LHT	STGT/150T-LHT	Transverse Strain Measurement ± 0.15 inch
01/6220-LHT	STGT/200T-LHT	Transverse Strain Measurement ± 0.2 inch



Imperial Metric Transverse (Diametral) Extensometers

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: $\leq 0.20\%$ of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Works with samples up to 1 inch (25 mm) width or diameter
Operating Force: 30 g typical

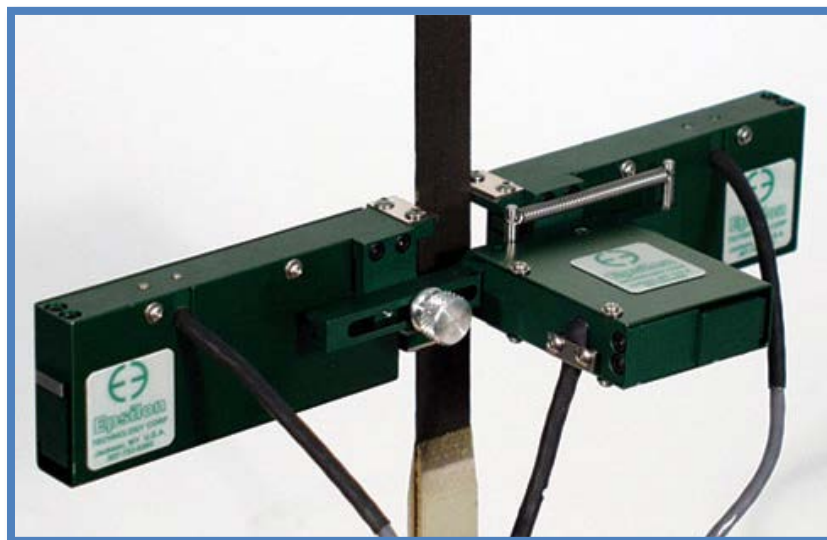
Metric Averaging Axial Extensometer

A single integral unit provides averaged axial strain measurement

This extensometer is ideally suited for testing anisotropic materials such as advanced

It may also be supplied with two independent outputs, one measurement from each side of the specimen. This set-up is most commonly required when an indication of specimen bending is desired

Part Number	Catalogue Number	Description
01/6221	AVG/10/10-ST	10mm Gauge Length with +10% Measuring Range
01/6222	AVG/25/5-ST	25mm Gauge Length with +5% Measuring Range
01/6223	AVG/25/10-ST	25mm Gauge Length with +10% Measuring Range
01/6224	AVG/50/5-ST	50mm Gauge Length with +5% Measuring Range
01/6221-LT	AVG/10/10-LT	10mm Gauge Length with +10% Measuring Range
01/6222-LT	AVG/25/5-LT	25mm Gauge Length with +5% Measuring Range
01/6223-LT	AVG/25/10-LT	25mm Gauge Length with +10% Measuring Range
01/6224-LT	AVG/50/5-LT	50mm Gauge Length with +5% Measuring Range
01/6221-HT1	AVG/10/10-HT1	10mm Gauge Length with +10% Measuring Range
01/6222-HT1	AVG/25/5-HT1	25mm Gauge Length with +5% Measuring Range
01/6223-HT1	AVG/25/10-HT1	25mm Gauge Length with +10% Measuring Range
01/6224-HT1	AVG/50/5-HT1	50mm Gauge Length with +5% Measuring Range
01/6221-HT2	AVG/10/10-HT2	10mm Gauge Length with +10% Measuring Range
01/6222-HT2	AVG/25/5-HT2	25mm Gauge Length with +5% Measuring Range
01/6223-HT2	AVG/25/10-HT2	25mm Gauge Length with +10% Measuring Range
01/6224-HT2	AVG/50/5-HT2	50mm Gauge Length with +5% Measuring Range
01/6221-LHT	AVG/10/10-LHT	10mm Gauge Length with +10% Measuring Range
01/6222-LHT	AVG/25/5-LHT	25mm Gauge Length with +5% Measuring Range
01/6223-LHT	AVG/25/10-LHT	25mm Gauge Length with +10% Measuring Range
01/6224-LHT	AVG/50/5-LHT	50mm Gauge Length with +5% Measuring Range



Metric Axial Averaging Extensometer

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Multiple sets of dual flexures and mechanical stops allow testing through failure
May be left on until fracture
All standard units meet existing ASTM class B-1 and ISO 9513, class 0.5 requirements for accuracy in tension. All standard units have linearity readings of 0.15% or better in the transverse direction
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: $\leq 0.15\%$ of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Specimen Size: Works with samples 0.1 to 1 inch width or diameter (2.5 mm to 25 mm)
Operating Force: 30 - 50g typical

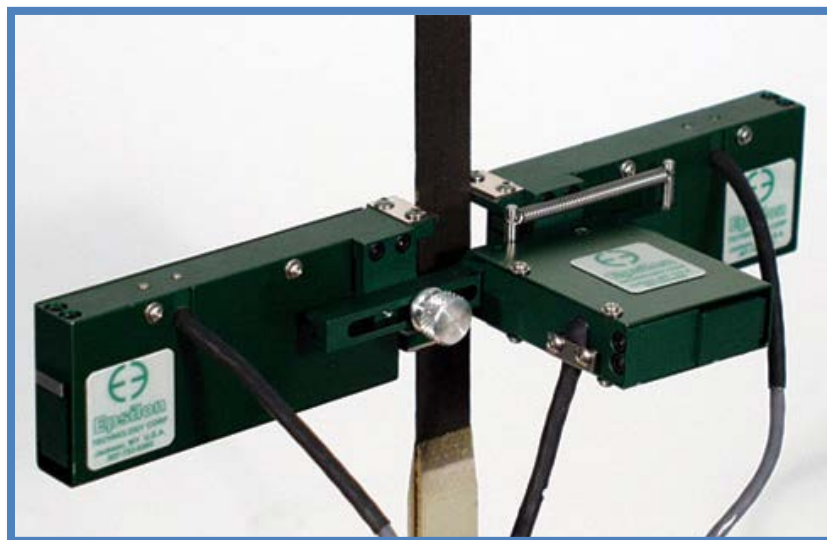
Imperial Averaging Axial Extensometer

A single integral unit provides averaged axial strain measurement

This extensometer is ideally suited for testing anisotropic materials such as advanced

It may also be supplied with two independent outputs, one measurement from each side of the specimen. This set-up is most commonly required when an indication of specimen bending is desired

Part Number	Catalogue Number	Description
01/6225	AVG/0.5/10-ST	0.5 inch Gauge Length with +10% Measuring Range
01/6226	AVG/1/5-ST	1 inch Gauge Length with +5% Measuring Range
01/6227	AVG/1/0.5-ST	1 inch Gauge Length with +10% Measuring Range
01/6228	AVG/2/5-ST	2 inch Gauge Length with +5% Measuring Range
01/6225-LT	AVG/0.5/10-LT	0.5 inch Gauge Length with +10% Measuring Range
01/6226-LT	AVG/1/5-LT	1 inch Gauge Length with +5% Measuring Range
01/6227-LT	AVG/1/10-LT	1 inch Gauge Length with +10% Measuring Range
01/6228-LT	AVG/2/5-LT	2 inch Gauge Length with +5% Measuring Range
01/6225-HT1	AVG/0.5/10-HT1	0.5 inch Gauge Length with +10% Measuring Range
01/6226-HT1	AVG/1/5-HT1	1 inch Gauge Length with +5% Measuring Range
01/6227-HT1	AVG/1/0.5-HT1	1 inch Gauge Length with +10% Measuring Range
01/6228-HT1	AVG/2/5-HT1	2 inch Gauge Length with +5% Measuring Range
01/6225-HT2	AVG/0.5/10-HT2	0.5 inch Gauge Length with +10% Measuring Range
01/6226-HT2	AVG/1/5-HT2	1 inch Gauge Length with +5% Measuring Range
01/6227-HT2	AVG/1/10-HT2	1 inch Gauge Length with +10% Measuring Range
01/6228-HT2	AVG/2/5-HT2	2 inch Gauge Length with +5% Measuring Range
01/6225-LHT	AVG/0.5/10-LHT	0.5 inch Gauge Length with +10% Measuring Range
01/6226-LHT	AVG/1/5-LHT	1 inch Gauge Length with +5% Measuring Range
01/6227-LHT	AVG/1/10-LHT	1 inch Gauge Length with +10% Measuring Range
01/6228-LHT	AVG/2/5-LHT	2 inch Gauge Length with +5% Measuring Range



Metric Axial Averaging Extensometer

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Multiple sets of dual flexures and mechanical stops allow testing through failure
May be left on until fracture
All standard units meet existing ASTM class B-1 and ISO 9513, class 0.5 requirements for accuracy in tension. All standard units have linearity readings of 0.15% or better in the transverse direction
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: $\leq 0.15\%$ of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Specimen Size: Works with samples 0.1 to 1 inch width or diameter (2.5 mm to 25 mm)
Operating Force: 30 - 50g typical

Metric Bi-Axial & Transverse Extensometers

A single integral unit provides simultaneous lateral (transverse) strain and averaged axial strain measurement
 May also be configured as dual independent axial readings, which results in a three channel extensometer
 Part number is gauge length then percentage of gauge length range axial then transverse in mm

Part Number	Catalogue Number	Description
01/6229	BIA/10/1/1.0-ST	10mm Gauge Length with $\pm 10\%$ Axial / ± 1.0 mm Transverse
01/6230	BIA/25/1.25/0.5-ST	25mm Gauge Length with $\pm 5\%$ Axial / ± 0.5 mm Transverse
01/6231	BIA/25/2.5/1.0-ST	25mm Gauge Length with $\pm 10\%$ Axial / ± 1.0 mm Transverse
01/6232	BIA/50/2.5/0.5-ST	50mm Gauge Length with $\pm 5\%$ Axial / ± 0.5 mm Transverse
01/6229-LT	BIA/10/1/1.0-LT	10mm Gauge Length with $\pm 10\%$ Axial / ± 1.0 mm Transverse
01/6230-LT	BIA/25/1.25/0.5-LT	25mm Gauge Length with $\pm 5\%$ Axial / ± 0.5 mm Transverse
01/6231-LT	BIA/25/2.5/1.0-LT	25mm Gauge Length with $\pm 10\%$ Axial / ± 1.0 mm Transverse
01/6232-LT	BIA/50/2.5/0.5-LT	50mm Gauge Length with $\pm 5\%$ Axial / ± 0.5 mm Transverse
01/6229-HT1	BIA/10/1/1.0-HT1	10mm Gauge Length with $\pm 10\%$ Axial / ± 1.0 mm Transverse
01/6230-HT1	BIA/25/1.25/0.5-HT1	25mm Gauge Length with $\pm 5\%$ Axial / ± 0.5 mm Transverse
01/6231-HT1	BIA/25/2.5/1.0-HT1	25mm Gauge Length with $\pm 10\%$ Axial / ± 1.0 mm Transverse
01/6232-HT1	BIA/50/2.5/0.5-HT1	50mm Gauge Length with $\pm 5\%$ Axial / ± 0.5 mm Transverse
01/6229-HT2	BIA/10/1/1.0-HT2	10mm Gauge Length with $\pm 10\%$ Axial / ± 1.0 mm Transverse
01/6230-HT2	BIA/25/1.25/0.5-HT2	25mm Gauge Length with $\pm 5\%$ Axial / ± 0.5 mm Transverse
01/6231-HT2	BIA/25/2.5/1.0-HT2	25mm Gauge Length with $\pm 10\%$ Axial / ± 1.0 mm Transverse
01/6232-HT2	BIA/50/2.5/0.5-HT2	50mm Gauge Length with $\pm 5\%$ Axial / ± 0.5 mm Transverse
01/6229-LHT	BIA/10/1/1.0-LHT	10mm Gauge Length with $\pm 10\%$ Axial / ± 1.0 mm Transverse
01/6230-LHT	BIA/25/1.25/0.5-LHT	25mm Gauge Length with $\pm 5\%$ Axial / ± 0.5 mm Transverse
01/6231-LHT	BIA/25/2.5/1.0-LHT	25mm Gauge Length with $\pm 10\%$ Axial / ± 1.0 mm Transverse
01/6232-LHT	BIA/50/2.5/0.5-LHT	50mm Gauge Length with $\pm 5\%$ Axial / ± 0.5 mm Transverse



Metric Bi-Axial & Transverse Extensometers

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Multiple sets of dual flexures and mechanical stops allow testing through failure
May be left on until fracture
All standard units meet existing ASTM class B-1 and ISO 9513, class 0.5 requirements for accuracy in tension. All standard units have linearity readings of 0.15% or better in the transverse direction
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: $\leq 0.15\%$ of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Specimen Size: Works with samples 0.1 to 25mm width or diameter (2.5 mm to 25 mm)
Operating Force: 30 - 50g typical

Imperial Bi-Axial & Transverse Extensometers

A single integral unit provides simultaneous lateral (transverse) strain and averaged axial strain measurement
 May also be configured as dual independent axial readings, which results in a three channel extensometer
 Part number is gauge length then percentage of gauge length range axial then transverse in inches

Part Number	Catalogue Number	Description
01/6233	BIA/0.5/.05/.05-ST	0.5 inch Gauge Length with $\pm 10\%$ Axial / ± 0.05 inch Transverse
01/6234	BIA/1/.05/.025-ST	1 inch Gauge Length with $\pm 5\%$ Axial / ± 0.025 inch Transverse
01/6235	BIA/1/0.1/.05-ST	1 inch Gauge Length with $\pm 10\%$ Axial / ± 0.05 inch Transverse
01/6236	BIA/2/0.1/.025-ST	2 inch Gauge Length with $\pm 5\%$ Axial / ± 0.025 inch Transverse
01/6233-LT	BIA/0.5/.05/.05-LT	0.5 inch Gauge Length with $\pm 10\%$ Axial / ± 0.05 inch Transverse
01/6234-LT	BIA/1/.05/.025-LT	1 inch Gauge Length with $\pm 5\%$ Axial / ± 0.025 inch Transverse
01/6235-LT	BIA/1/0.1/.05-LT	1 inch Gauge Length with $\pm 10\%$ Axial / ± 0.05 inch Transverse
01/6236-LT	BIA/2/0.1/.025-LT	2 inch Gauge Length with $\pm 5\%$ Axial / ± 0.025 inch Transverse
01/6233-HT1	BIA/0.5/.05/.05-HT1	0.5 inch Gauge Length with $\pm 10\%$ Axial / ± 0.05 inch Transverse
01/6234-HT1	BIA/1/.05/.025-HT1	1 inch Gauge Length with $\pm 5\%$ Axial / ± 0.025 inch Transverse
01/6235-HT1	BIA/1/0.1/.05-HT1	1 inch Gauge Length with $\pm 10\%$ Axial / ± 0.05 inch Transverse
01/6236-HT1	BIA/2/0.1/.025-HT1	2 inch Gauge Length with $\pm 5\%$ Axial / ± 0.025 inch Transverse
01/6233-HT2	BIA/0.5/.05/.05-HT2	0.5 inch Gauge Length with $\pm 10\%$ Axial / ± 0.05 inch Transverse
01/6234-HT2	BIA/1/.05/.025-HT2	1 inch Gauge Length with $\pm 5\%$ Axial / ± 0.025 inch Transverse
01/6235-HT2	BIA/1/0.1/.05-HT2	1 inch Gauge Length with $\pm 10\%$ Axial / ± 0.05 inch Transverse
01/6236-HT2	BIA/2/0.1/.025-HT2	2 inch Gauge Length with $\pm 5\%$ Axial / ± 0.025 inch Transverse
01/6233-LHT	BIA/0.5/.05/.05-LHT	0.5 inch Gauge Length with $\pm 10\%$ Axial / ± 0.05 inch Transverse
01/6234-LHT	BIA/1/.05/.025-LHT	1 inch Gauge Length with $\pm 5\%$ Axial / ± 0.025 inch Transverse
01/6235-LHT	BIA/1/0.1/.05-LHT	1 inch Gauge Length with $\pm 10\%$ Axial / ± 0.05 inch Transverse
01/6236-LHT	BIA/2/0.1/.025-LHT	2 inch Gauge Length with $\pm 5\%$ Axial / ± 0.025 inch Transverse



Imperial Bi-Axial & Transverse Extensometers

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Multiple sets of dual flexures and mechanical stops allow testing through failure
May be left on until fracture
All standard units meet existing ASTM class B-1 and ISO 9513, class 0.5 requirements for accuracy in tension. All standard units have linearity readings of 0.15% or better in the transverse direction
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: $\leq 0.15\%$ of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Specimen Size: Works with samples 0.1 to 1 inch width or diameter (2.5 mm to 25 mm)
Operating Force: 30 - 50g typical

Metric Miniature Transverse Diametral Extensometers

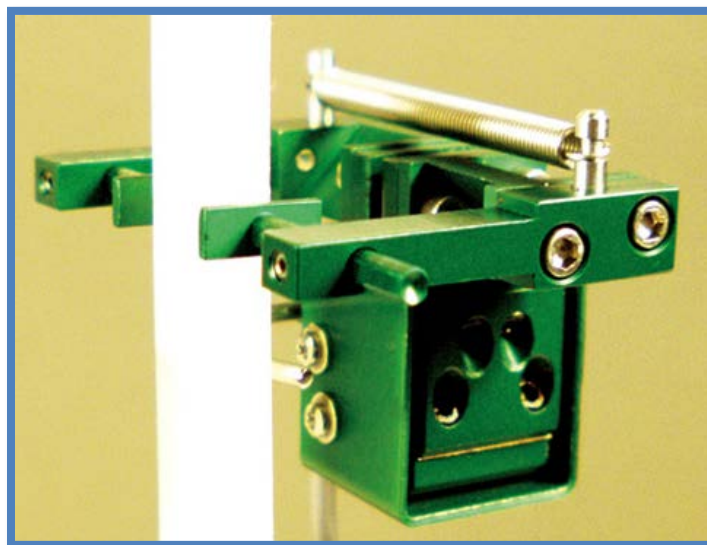
A miniature extensometer designed for general purpose transverse or diametral strain measurements on small or thin specimens

These very lightweight extensometers are self-supporting on the test sample. They are used for measuring transverse or diametral strain. Often they are used simultaneously with an axial strain measuring extensometer to determine Poisson's ratio.

They also are used for characterizing materials with anisotropic properties, such as with many composite materials.

These model clips easily onto the sample with an integral spring to hold the unit in place.

Part Number	Catalogue Number	Description
01/6237	MSTGT/025M-ST	Transverse Strain Measurement $\pm 0.25\text{mm}$
01/6238	MSTGT/050M-ST	Transverse Strain Measurement $\pm 0.5\text{mm}$
01/6239	MSTGT/100M-ST	Transverse Strain Measurement $\pm 1.00\text{mm}$
01/6240	MSTGT/125M-ST	Transverse Strain Measurement $\pm 1.25\text{mm}$
01/6237-LT	MSTGT/025M-LT	Transverse Strain Measurement $\pm 0.25\text{mm}$
01/6238-LT	MSTGT/050M-LT	Transverse Strain Measurement $\pm 0.5\text{mm}$
01/6239-LT	MSTGT/100M-LT	Transverse Strain Measurement $\pm 1.00\text{mm}$
01/6240-LT	MSTGT/125M-LT	Transverse Strain Measurement $\pm 1.25\text{mm}$
01/6237-HT1	MSTGT/025M-HT1	Transverse Strain Measurement $\pm 0.25\text{mm}$
01/6238-HT1	MSTGT/050M-HT1	Transverse Strain Measurement $\pm 0.5\text{mm}$
01/6239-HT1	MSTGT/100M-HT1	Transverse Strain Measurement $\pm 1.00\text{mm}$
01/6240-HT1	MSTGT/125M-HT1	Transverse Strain Measurement $\pm 1.25\text{mm}$
01/6237-HT2	MSTGT/025M-HT2	Transverse Strain Measurement $\pm 0.25\text{mm}$
01/6238-HT2	MSTGT/050M-HT2	Transverse Strain Measurement $\pm 0.5\text{mm}$
01/6239-HT2	MSTGT/100M-HT2	Transverse Strain Measurement $\pm 1.00\text{mm}$
01/6240-HT2	MSTGT/125M-HT2	Transverse Strain Measurement $\pm 1.25\text{mm}$
01/6237-LHT	MSTGT/025M-LHT	Transverse Strain Measurement $\pm 0.25\text{mm}$
01/6238-LHT	MSTGT/050M-LHT	Transverse Strain Measurement $\pm 0.5\text{mm}$
01/6239-LHT	MSTGT/100M-LHT	Transverse Strain Measurement $\pm 1.00\text{mm}$
01/6240-LHT	MSTGT/125M-LHT	Transverse Strain Measurement $\pm 1.25\text{mm}$



Metric Miniature Transverse Diametral Extensometers

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
All standard units have linearity readings of 0.20% or better
Easy to mount, with integral springs to keep the extensometer on the sample
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: 0.15% to 0.20% of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Works with samples up to 1 inch (25 mm) width or diameter
Operating Force: 30 g typical

Imperial Miniature Transverse Diametral Extensometers

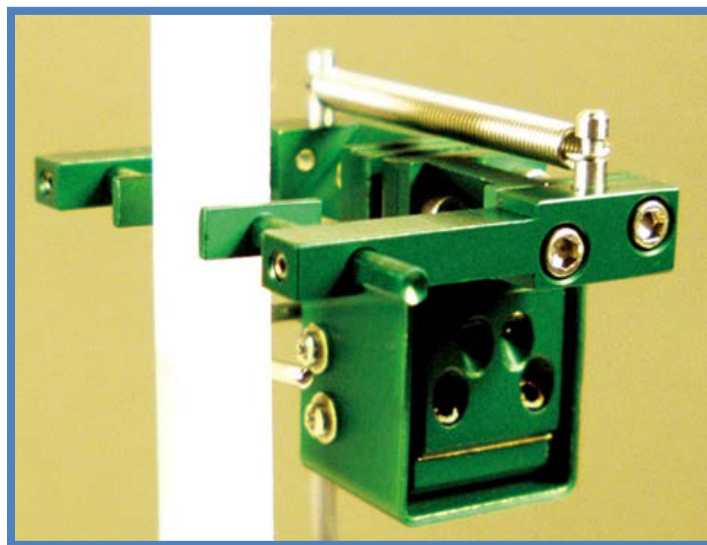
A miniature extensometer designed for general purpose transverse or diametral strain measurements on small or thin specimens

These very lightweight extensometers are self-supporting on the test sample. They are used for measuring transverse or diametral strain. Often they are used simultaneously with an axial strain measuring extensometer to determine Poisson's ratio.

They also are used for characterizing materials with anisotropic properties, such as with many composite materials.

These model clips easily onto the sample with an integral spring to hold the unit in place.

Part Number	Catalogue Number	Description
01/6241	MSTGD/010T-ST	Transverse Strain Measurement ± 0.010 inch
01/6242	MSTGD/020T-ST	Transverse Strain Measurement ± 0.020 inch
01/6243	MSTGD/040T-ST	Transverse Strain Measurement ± 0.040 inch
01/6244	MSTGD/050T-ST	Transverse Strain Measurement ± 0.050 inch
01/6241-LT	MSTGD/010T-LT	Transverse Strain Measurement ± 0.010 inch
01/6242-LT	MSTGD/020T-LT	Transverse Strain Measurement ± 0.020 inch
01/6243-LT	MSTGD/040T-LT	Transverse Strain Measurement ± 0.040 inch
01/6244-LT	MSTGD/050T-LT	Transverse Strain Measurement ± 0.050 inch
01/6241-HT1	MSTGD/010T-HT1	Transverse Strain Measurement ± 0.010 inch
01/6242-HT1	MSTGD/020T-HT1	Transverse Strain Measurement ± 0.020 inch
01/6243-HT1	MSTGD/040T-HT1	Transverse Strain Measurement ± 0.040 inch
01/6244-HT1	MSTGD/050T-HT1	Transverse Strain Measurement ± 0.050 inch
01/6241-HT2	MSTGD/010T-HT2	Transverse Strain Measurement ± 0.010 inch
01/6242-HT2	MSTGD/020T-HT2	Transverse Strain Measurement ± 0.020 inch
01/6243-HT2	MSTGD/040T-HT2	Transverse Strain Measurement ± 0.040 inch
01/6244-HT2	MSTGD/050T-HT2	Transverse Strain Measurement ± 0.050 inch
01/6241-LHT	MSTGD/010T-LHT	Transverse Strain Measurement ± 0.010 inch
01/6242-LHT	MSTGD/020T-LHT	Transverse Strain Measurement ± 0.020 inch
01/6243-LHT	MSTGD/040T-LHT	Transverse Strain Measurement ± 0.040 inch
01/6244-LHT	MSTGD/050T-LHT	Transverse Strain Measurement ± 0.050 inch



Imperial Miniature Transverse Diametral Extensometers

Temperature Range Options	
-LT	-265 °C to 100 °C (-450 °F to 210 °F)
-ST	-40 °C to 100 °C (-40 °F to 210 °F)
-HT1	-40 °C to 150 °C (-40 °F to 300 °F)
-HT2	-40 °C to 200 °C (-40 °F to 400 °F)
-LHT	-265 °C to 200 °C (-450 °F to 400 °F)

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
All standard units have linearity readings of 0.20% or better
Easy to mount, with integral springs to keep the extensometer on the sample
Quick attach format – may be fitted using one hand
Measuring of Tension and Compression (<i>model dependant</i>)

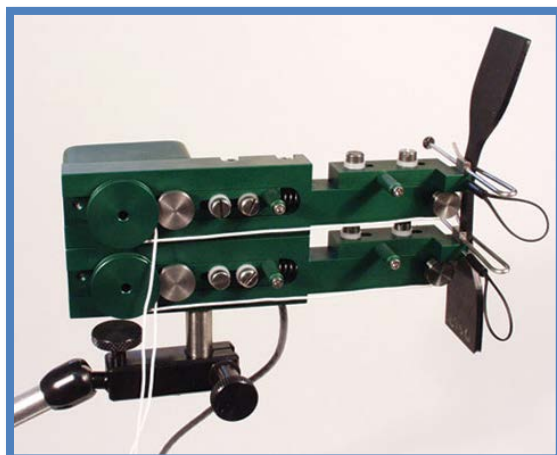
Specifications
Excitation: 5 to 10 VDC
Output: 2 to 4 mV/V
Linearity: 0.15% to 0.20% of full scale measuring range, depending on model
Temperature Range: As per model number
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Standard Quick Attach Kit: Works with samples up to 1 inch (25 mm) width or diameter
Operating Force: 30 g typical

Metric High Elongation Clip-On Extensometers

Designed for plastics, rubber and elastomer testing, these extensometers have very long measuring ranges. Their unique design allows testing to failure and minimizes interaction with the sample

The main body of this unique extensometer remains stationary during testing, held in position by the adjustable magnetic base included. Only the very light, small traveling heads move as the sample elongates during a test. These attach to the sample with small spring clips. Each head pulls a cord out from the extensometer as the head moves.

Part Number	Catalogue Number	Description
01/6168	HEE/20/525E	20mm Gauge Length with +125mm travel
01/6169	HEE/20/1250E	20mm Gauge Length with +250mm travel
01/6170	HEE/20/2500E	20mm Gauge Length with +500mm travel
01/6171	HEE/25/500	25mm Gauge Length with +125mm travel
01/6172	HEE/25/1000	25mm Gauge Length with +250mm travel
01/6173	HEE/25/2000	25mm Gauge Length with +500mm travel
01/6174	HEE/50/250	50mm Gauge Length with +125mm travel
01/6175	HEE/50/500	50mm Gauge Length with +250mm travel
01/6176	HEE/50/1000	50mm Gauge Length with +500mm travel



Standard Features

Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Magnetic Base
May be left on until fracture
Quick attach format
Measuring of Tension

Specifications

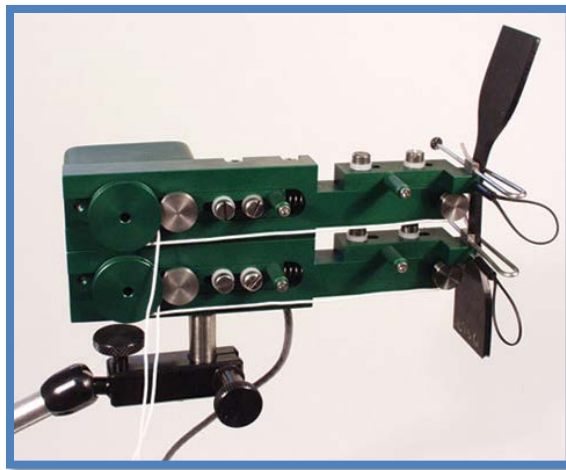
Excitation: 5 to 10 VDC recommended
Output: Either 2 to 8 VDC
Linearity: 0.15% of full scale measuring range
Resolution: 0.18 mm for all measuring ranges
Temperature Range: -40 °C to 100 °C (-40 °F to 210 °F)
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Operating Force: 20 grams typical, each head

Imperial High Elongation Clip-On Extensometers

Designed for plastics, rubber and elastomer testing, these extensometers have very long measuring ranges. Their unique design allows testing to failure and minimizes interaction with the sample

The main body of this unique extensometer remains stationary during testing, held in position by the adjustable magnetic base included. Only the very light, small traveling heads move as the sample elongates during a test. These attach to the sample with small spring clips. Each head pulls a cord out from the extensometer as the head moves.

Part Number	Catalogue Number	Description
01/6177	HEE/0100/050T/E	1 inch Gauge Length with 5 inch travel
01/6178	HEE/0100/100T/E	1 inch Gauge Length with 10 inch travel
01/6179	HEE/0100/200T/E	1 inch Gauge Length with 20 inch travel
01/6180	HEE/200/050T/E	2 inch Gauge Length with 5 inch travel
01/6181	HEE/200/100T/E	2 inch Gauge Length with 10 inch travel
01/6182	HEE/200/200T/E	2 inch Gauge Length with 20 inch travel



Standard Features

Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Magnetic Base
May be left on until fracture
Quick attach format
Measuring of Tension

Specifications

Excitation: 5 to 10 VDC recommended
Output: Either 2 to 8 VDC
Linearity: 0.15% of full scale measuring range
Resolution: 0.18 mm for all measuring ranges
Temperature Range: -40 °C to 100 °C (-40 °F to 210 °F)
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Operating Force: 20 grams typical, each head

Metric High Temperature Un-Cooled Axial Extensometers

For use in environmental chambers where the entire extensometer must be exposed to elevated temperatures

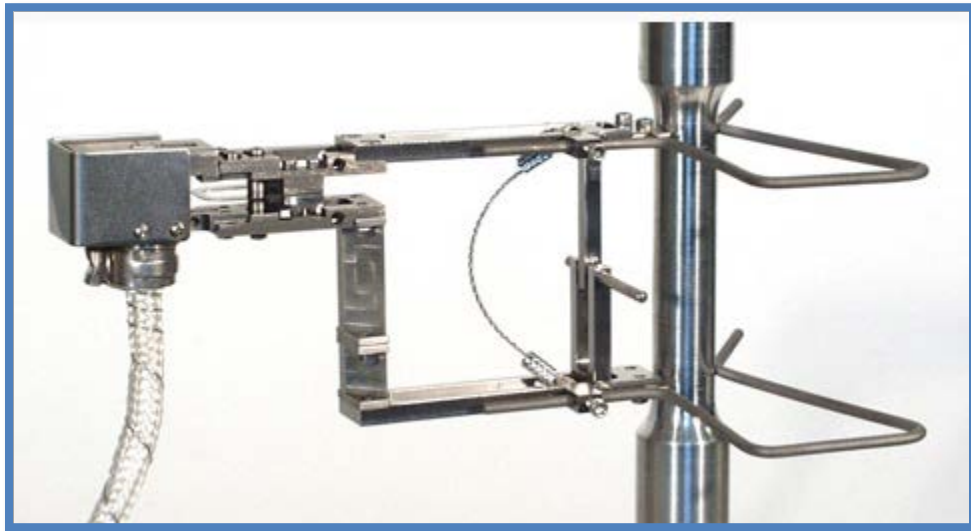
These capacitive extensometers may be used up to 540 °C (1000 °F) without any cooling

Ideal for testing composites, metals and high temperature polymers in tensile, compression or cyclic testing

All units can be displaced in both compression and tension

The extensometer comes with a signal conditioner unit

Part Number	Catalogue Number	Description
01/6183	HTSTGA/10/5/E	10mm gauge length +5% / -5% strain
01/6184	HTSTGA/10/10/E	10mm gauge length +10% / -5% strain
01/6185	HTSTGA/10/20/E	10mm gauge length +20% / -10% strain
01/6186	HTSTGA/10/50/E	10mm gauge length +50% / -10% strain
01/6187	HTSTGA/25/5/E	25mm gauge length +5% / -5% strain
01/6188	HTSTGA/25/10/E	25mm gauge length +10% / -5% strain
01/6189	HTSTGA/25/20/E	25mm gauge length +20% / -10% strain
01/6190	HTSTGA/25/50/E	25mm gauge length +50% / -10% strain
01/6191	HTSTGA/50/5/E	50mm gauge length +5% / -5% strain
01/6192	HTSTGA/50/10/E	50mm gauge length +10% / -5% strain
01/6193	HTSTGA/50/20/E	50mm gauge length +20% / -10% strain



Metric High Temperature Un-Cooled Axial Extensometers

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
All standard units meet existing ASTM class B-1 and ISO 9513
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension, Compression and cycling

Options
Quick attach kit wire-forms for large specimens
Adapter kits to change gauge lengths

Specifications
Input: Includes power supply for your country
Linearity: $\leq 0.15\%$ of full scale measuring range
Temperature Range: Elevated temperature use to 540°C (1000°F)
Standard Quick Attach Kit: Fits round samples up to 0.5 inch diameter (12 mm) and flats to 2.0 inches (50 mm) wide for thicknesses up to 0.25 inches (6.35 mm) and 0.75 inches (19 mm) wide for thicknesses between 0.25 (6.35 mm) and 0.50 inches (12.5 mm).
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Operating Force: 30 g typical

Imperial High Temperature Un-Cooled Axial Extensometers

For use in environmental chambers where the entire extensometer must be exposed to elevated temperatures

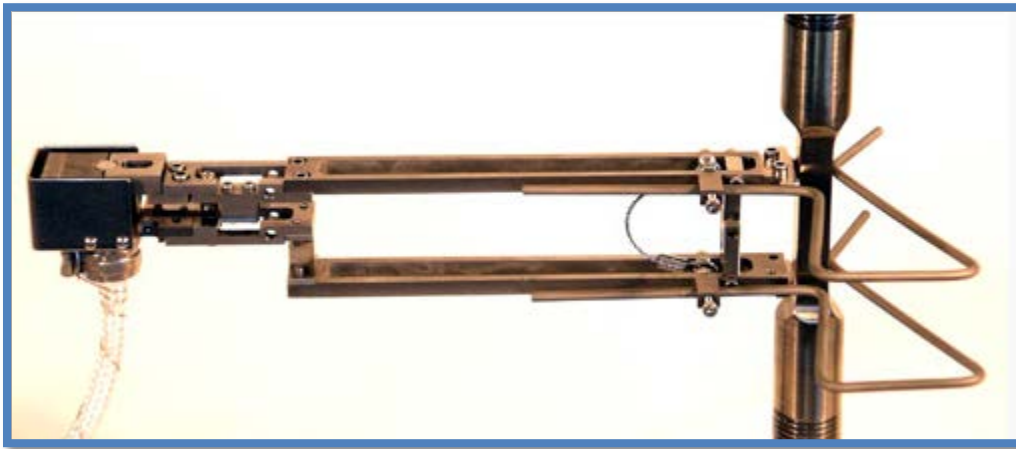
These capacitive extensometers may be used up to 540 °C (1000 °F) without any cooling

Ideal for testing composites, metals and high temperature polymers in tensile, compression or cyclic testing

All units can be displaced in both compression and tension

The extensometer comes with a signal conditioner unit

Part Number	Catalogue Number	Description
01/6194	HTSTGA/0.5/5/E	0.5 inch gauge length +5% / -5% strain
01/6195	HTSTGA/0.5/10/E	0.5 inch gauge length +10% / -5% strain
01/6196	HTSTGA/0.5/20/E	0.5 inch gauge length +20% / -10% strain
01/6197	HTSTGA/0.5/50/E	0.5 inch gauge length +50% / -10% strain
01/6198	HTSTGA/1/5/E	1 inch gauge length +5% / -5% strain
01/6199	HTSTGA/1/10/E	1 inch gauge length +10% / -5% strain
01/6200	HTSTGA/1/20/E	1 inch gauge length +20% / -10% strain
01/6201	HTSTGA/1/50/E	1 inch gauge length +50% / -10% strain
01/6202	HTSTGA/2/5/E	2 inch gauge length +5% / -5% strain
01/6203	HTSTGA/2/10/E	2 inch gauge length +10% / -5% strain
01/6204	HTSTGA/2/20/E	2 inch gauge length +20% / -10% strain



Metric High Temperature Un-Cooled Axial Extensometers

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
All standard units meet existing ASTM class B-1 and ISO 9513
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension, Compression and cycling

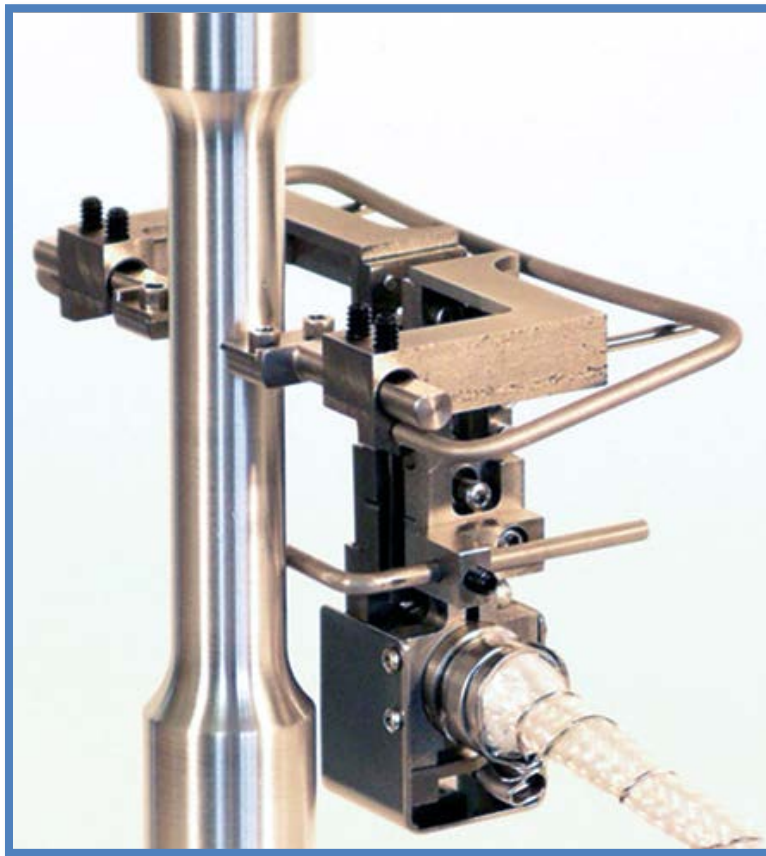
Options
Quick attach kit wire-forms for large specimens
Adapter kits to change gauge lengths

Specifications
Input: Includes power supply for your country
Linearity: $\leq 0.15\%$ of full scale measuring range
Temperature Range: Elevated temperature use to 540°C (1000°F)
Standard Quick Attach Kit: Fits round samples up to 0.5 inch diameter (12 mm) and flats to 2.0 inches (50 mm) wide for thicknesses up to 0.25 inches (6.35 mm) and 0.75 inches (19 mm) wide for thicknesses between 0.25 (6.35 mm) and 0.50 inches (12.5 mm).
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Operating Force: 30 g typical

High Temperature Un-Cooled Transverse Extensometers

For use in environmental chambers where the entire extensometer must be exposed to elevated temperatures
These capacitive extensometers may be used up to 540 °C (1000 °F) without any cooling
Ideal for testing composites, metals and high temperature polymers in tensile and compression and when used in conjunction with High Temperature Un-Cooled Axial Extensometers for R&N (Poisson's Ratio)
The extensometer comes with a signal conditioner unit

Part Number	Catalogue Number	Description
01/6205	HTTSTGA/25/E	Transverse strain $\pm 0.25\text{mm}$
01/6206	HTTSTGA/50/E	Transverse strain $\pm 0.50\text{mm}$
01/6207	HTTSTGA/100/E	Transverse strain $\pm 1.00\text{mm}$
01/6208	HTTSTGA/200/E	Transverse strain $\pm 2.00\text{mm}$
01/6209	HTTSTGA/10/E	Transverse strain ± 0.01 inch
01/6210	HTTSTGA/20/E	Transverse strain ± 0.02 inch
01/6211	HTTSTGA/40/E	Transverse strain ± 0.04 inch
01/6212	HTTSTGA/80/E	Transverse strain ± 0.08 inch



High Temperature Un-Cooled Transverse Extensometers

Standard Features
Plug and play to any Plus, EZ and LS testing machine
Calibration data and identity is stored in the intelligent plug
Mechanical over-travel stops in both directions
May be left on until fracture
All standard units meet existing ASTM class B-1 and ISO 9513
Hardened tool steel knife edges are easily replaced. A spare set with every extensometer
Quick attach format – may be fitted using one hand
Measuring of Tension, Compression and cycling

Options
Quick attach kit wire-forms for large specimens
Adapter kits to change gauge lengths

Specifications
Input: Includes power supply for your country
Linearity: $\leq 0.15\%$ of full scale measuring range
Temperature Range: Elevated temperature use to 540°C (1000°F)
Specimen diameters up to 1 inch (25mm)
Cable: Integral, ultra-flexible cable, 8 ft (2.5 m) standard
Operating Force: 30 g typical

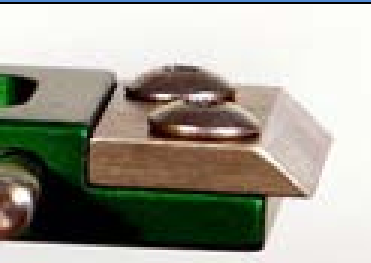
Knife Edges

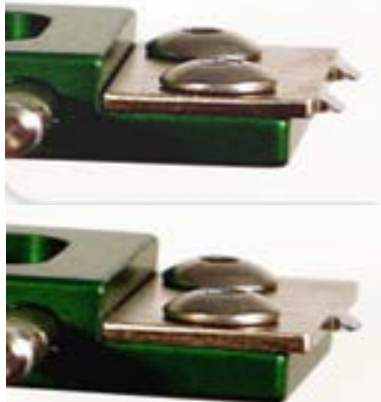
All of the following knife edges will fit all models of extensometers that use knife edges.

Part Number	Item	Description	
01/6245	Standard Knife Edges	Produced from hardened tool steel, these knife edges are used for a wide range of applications, and can be used on both round and rectangular shaped specimens. These are the standard knife edges supplied with most extensometers	

Part Number	Item	Description	
01/6246	Dual Bevel Knife Edges	Produced from high toughness tool steel. These knife edges are used in applications where the standard knife edges may experience excessive chipping, such as on very hard metals. They are also ideal for high modulus composites. The dual bevel design and tougher material of construction provides a greater resistance to damage during testing	

Part Number	Item	Description	
01/6247	Ceramic Knife Edges	These knife edges are typically used in low cycle fatigue applications on hard metals where metallic knife edges would likely experience undue wear	

Part Number	Item	Description	
01/6248	Hardened Stainless Steel Knife Edges	These knife edges are designed to be used in environments where additional strength and corrosion resistance is required. Primary applications are in biomedical testing where the knife edges may be exposed to saline solutions	

Part Number	Item	Description	
01/6249	Three-point Contact Knife Edges	These knife edges were designed for use on flat specimens. They ensure stable contact on flat test samples due to 3-point contact	

Part Number	Item	Description	
01/6250	Extended Knife Edges	Knife edges for applications where the additional length is required, such as where the grips are very close together	

Part Number	Item	Description	
01/6251	Rounded Knife Edges	Knife edges designed for use on transverse extensometers and applications where blunt edges are required. These are primarily used on transverse or diametral extensometers	

Part Number	Item	Description	
01/6252	V Knife Edges	Designed for use on round specimens. Due to the contact point variation that can occur between specimens of different diameters, units with these knife edges must be calibrated with posts of equal diameter. On extensometers with longer arms, errors created by this variation are not so pronounced, but on units with shorter arms lengths, this must be taken into consideration.	



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