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TRAINING AIDS
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EM-200-25 (52984)

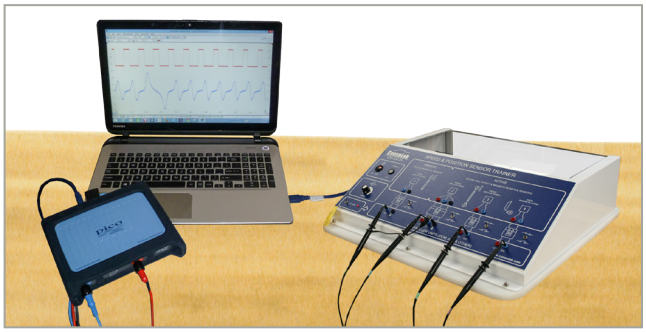
SPEED & POSITION SENSORS TRAINER

The EM-200-25 Speed and Position Sensors trainer is used to demonstrate the operation, diagnosis and testing of common types of analog and digital speed and position sensors as they operate on a real vehicle. The trainer includes Inductive, Hall-Effect and Magneto-resistive sensors. All sensors are driven by a variable speed electric motor to create different operating conditions. The trainer provides a safe and effective method of demonstrating the operating principles of different types of speed and position sensors used on today's vehicles.

MAIN FEATURES

- Radial analog (passive) inductive sensor with adjustable air gap to show effects on operation
- Digital Hall-Effect sensor
- Radial and axial digital (active) magneto-resistive sensors (adjustable radial sensor to show effect on operation)
- Sensor test receptacles for hookup of DVOM and Oscilloscope
- Equipped with sensor disconnect switches for separate testing of both harness side and/or component side of sensor
- Trainer has a bench top design that allows clear student visualization of sensor operation, diagnosis and testing
- Electronically controlled variable speed electric drive motor
- 120V AC/DC power supply included

EDUCATIONAL ADVANTAGES



- Demonstrates full functionality of both analog (passive) and digital (active) speed and position sensors
- Electronically controlled variable speed drive motor allows sensor operation from zero RPM through both steady and variable speeds
- Magneto-resistive magnetic strip sensor can detect instant movement of rotation or 0 kph/mph
- Allows full diagnosis and testing with DVOM and oscilloscope
- Switches allow the sensor to be disconnected/connected in the circuit for real-world testing purposes.
- Allows student demonstrations of the operation, diagnosis and testing of:
  - CKP (Crankshaft Position Sensors)
  - CMP (Camshaft Position Sensors)
  - VVT (Variable Valve Timing) sensors
  - ABS Wheel speed sensors (all types)
  - RPM and Vehicle Speed sensors
- Provides clear visualization of sensors without access limitations of a vehicle

TECHNICAL SPECIFICATIONS

- Dimensions: 22.4" W x 22" L x 6.75" H (56.8 x 55.8 x 17.1 cm) / 24" x 24" x 13" (60.9 x 60.9 x 30 cm) w/packaging
- Weight: 38 lb (17 kg) / 48 lb (21.8 kg) w/packaging
- Power Requirements: 120VAC 15A circuit