

Pressure Supply



- Stable differential pressure generation
- Quick equalise check valve
- Quiet Operation
- Small and light weight
- Storage/carry case available

The FCO502 Pressure Supply Unit is a self contained pressure source, designed to generate a stable differential pressure for calibration, typically with the Furness Controls PPC500 Pressure Calibrator.

The FCO502 has an internal pressure pump supplying a constant flow to the pressure adjust valve allowing pressure to be set from 0.5% to 100% of range. The equalising valve allows the pressure to be equalised without disturbing the pressure setting.

The FCO502 is available in 2 models covering 10 Pa to 20 kPa

Features

Instrument	Model 1	Model 2
Range	2 kPa (10 Pa to 2 kPa) With Shunt: 3Pa to 20Pa	20 kPa (100 Pa to 20 kPa) With Shunt: 15Pa to 120Pa
Static pressure (including linearity and hysteresis)	Max. 1kPa	Max. 4kPa
Stability	±0.15% (0.5% to 100% of Range)	
Pump operating life	>1000hrs	

Supply

Supply Voltage	12 VDC ± 10% 2A (Universal mains power supply included)
Power rating	2.4VA
Plug type	2.1mm DC Jack

General

Enclosure	ABS enclosure
Dimensions	W 148mm x H 71mm x D 210mm
Weight	1.2 kg
Operating temperature	+5°C to +45°C
Storage Temperature	-10°C to +70°C
Media Compatibility	Clean dry air or non-corrosive gas
Pneumatic Connections	Push-on tube fittings for 6mm o/d, 4mm i/d flexible tube.

All information in this document is provisional and is subject to change without notice.

Furness Controls has a UKAS accredited laboratory which offers pressure calibration from 0 to 40 kPa and flow calibration from 0.1 ml/min to 2000 litres/min