Furness Controls

LOW RANGE DIFFERENTIAL PRESSURE TRANSDUCERS, TRANSMITTERS, MICROMANOMETERS, CALIBRATORS AND FLOW ELEMENTS

LOW PRESSURE TRANSDUCERS, TRANSMITTERS & INDICATORS

A series of low pressure transmitters with measurement ranges from +/- 5 Pa to +/- 20 kPa. Programmable range changing, engineering units and display options are features of these highly sensitive measuring instruments.
Optional LCD display.
Optional square root extraction
Accuracy of measurement < +/- 1% of reading.
2, 3 and 4-wire versions: current or voltage output.
Input 9 to 40 volts DC.

FCO 332 A low-priced transducer, suitable for room pressure monitoring and many other applications.
Maximum static pressure 1 bar.
Housing to IP54.

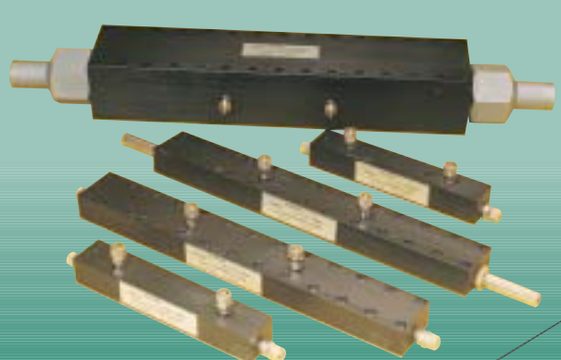
FCO 352 Industrial differential pressure transmitter
Maximum static pressure 11 bar absolute.
Welded stainless steel transducer assembly
Housing to IP66

The FCO 332 and FCO 352 transmitters are optionally available with 2 adjustable relay contacts, to enable maximum and minimum values to be set.

FCO318 Panel mounted indicator based on FCO332 with relays and front panel keypad. Standard 70 X 140 mm cutout

FCO 354 Intrinsically safe transmitter

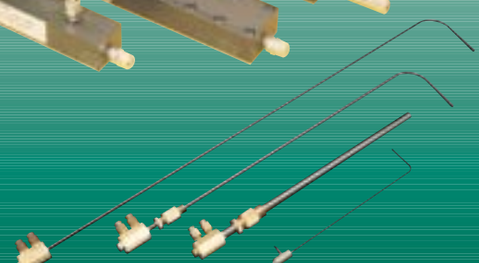
Ranges from +/- 10 Pa to +/- 20 kPa
Output signal: 4 to 20 mA
Maximum static pressure: 11 Bar
ATEX II 1 G Classification
CENELEC Classification Eex ia IIC T5
Input: 14 to 40 volts DC



Air flow measurement

Laminar flow elements
FCO96: These laminar elements give a differential pressure which is proportional to the flow across the element. The resolution can be 100:1 for ranges between 0-2 ml/min and 0-10,000 l/min.

Several sizes and shapes of pitot tube are available:
FCO 65 Pitot tube with bent shaft.
FCO 66 Pitot tube with straight shaft.
FCO 68 Averaging pitot tube, with several holes.



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FCO 550 Laboratory Calibrator and transfer standard

With built-in pressure generator. The pressure can be adjusted quickly by means of a speed sensitive rotary control. For use in the laboratory to check and calibrate low differential pressure measuring equipment.
Accuracy < 0.1% of reading.
Control accuracy < 0.15% of reading.
Measurement ranges:
0.02 Pa to 2 kPa and 0.2 Pa to 20 kPa.
RS232C interface and optional IEEE-488(GPIB)
A sequence of steps with programmable measuring points can be programmed to enable semi-automatic calibration.

PPC 500 Portable Low Pressure Calibrator

A portable and robust instrument with internal rechargeable batteries. With two adjustable pressure generators (for coarse and fine adjustment). For use on site and in the laboratory to check and calibrate low differential pressure measuring equipment.
Accuracy 0.1% of reading.
Measurement ranges:
0.02 Pa to 2 kPa and 0.2 Pa to 20 kPa.

FCO 510 Microprocessor Micromanometer

A portable and robust instrument with internal rechargeable battery. Can be used for the measurement of differential Pressure as well as of velocity, volume flow and mass flow with pitot tubes or laminar flow elements.
5-digit LCD display.
Accuracy < 0.25% of reading (optionally <0.1%)
Temperature compensation and absolute pressure compensation by means of external sensors.

Portable Micromanometers

For the measurement of differential pressure and Velocity in air.

FCO 10 Micromanometer
3½ digit LCD display.
3 models: 0-199.9 Pa, 0-1000 Pa, 0-10 kPa

FCO 520 Air Flow Meter
A compact micromanometer/flowmeter, microprocessor controlled, with pitot tube and built-in sensors for temperature and absolute pressure.
Model 1 +/- 600 Pa, 0-31 m/s
Model 2 +/- 6 kPa, 0-100 m/s
Model 3 +/- 20 kPa, 0-180 m/s

FCO 14 Micromanometer/Analogue Anemometer
With exceptional accuracy and resolution.
Automatic zero facility Can be used on-site with internal rechargeable batteries.
Measurement ranges of 1%, 10%, 100% and m/s
Model 1: 0-10 Pa, 0-4 m/s
Model 2: 0-100 Pa, 0-12 m/s
Model 3: 0-1000 Pa, 0-40 m/s
Model 4: 0-10 kPa, 0-120 m/s
Model 5: 0-20 kPa, 0-180 m/s

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