



DIGITAL MANOMETERS

µP-CONTROLLED PRESSURE MEASURING INSTRUMENTS

SensoBrain™, a KELLER-designed low power signal processor, transmits the signals of the pressure- and temperature sensor to the microprocessor, which digitally compensates the sensor data. This mathematical modelling of the pressure sensor virtually eliminates all errors over a wide temperature range.

The PASCOLO has a single key on the front panel which is used to operate ON/OFF and set new ZERO (TARE). All instruments are Sealed Gauge reference, the zero is set at 1 bar absolute (ZERO may be adjusted for changes in barometric pressure by using the TARE function). For absolute pressure display, apply vacuum and set new zero by using the TARE function.

The PASCOLO is delivered complete with an O-ring seal swivel fitting which allows the PASCOLO to be rotated through 360°.

SPECIFICATIONS

Ranges	Resolution	Total Accuracy (0...50°C) ⁽¹⁾	
-1...2 bar	1 mbar	typ. 2 mbar	max. 5 mbar
-1...30 bar	10 mbar	typ. 20 mbar	max. 50 mbar
0...300 bar	100 mbar	typ. 0,2 bar	max. 0,5 bar
0...700 bar	200 mbar	typ. 0,3 bar	max. 1 bar

⁽¹⁾ Includes linearity, repeatability, hysteresis, temperature error and resolution of the display

Accuracy	0,1% FS typ.
Storage- / Operating Temperature	-30...80°C / -10...80°C
Compensated Temperature Range	0...50°C
Stability of Transducer (6 months)	0,1 %FS typ. / 0,2 %FS max.
Supply	Integrated 3 V Battery, Type CR 2430
Battery Life	360 hours
Automatic Time Out Function	After 15 min (others on demand)
Pressure Connection	7/16"-20 UNF (Adapter G 1/4" included)
Protection, CEI 529	IP67
Diameter x Height x Depth	59 x 95 x 32 mm
Weight	≈ 125 g

Options

- Protective rubber covering (see Pascolo T)
- Hose, 1.5m, to withstand pressures up to 1000 bar. Comes with a 7/16"-20 UNF male thread.



PASCOLO / PASCOLO T PASCOLO EEx ia



"Swivel"



Adapter G 1/4"

PASCOLO T

The dual "Pressure/Temperature"-Measuring Instrument

The pressure sensor (connection G 1/4") is located at the end of the cable and can be exposed to media temperature up to 120°C. The temperature of the sensor is displayed on the lower left, the time since turn-on the lower right display.

The PASCOLO with the protective rubber covering is suitable for toughest applications.

SPECIFICATIONS PASCOLO T

Pressure Ranges: 10 / 100 / 700 bar
Resolution: 0,01 / 0,1 / 1 bar
Temperature Range: 20...120 °C
Temperature Resolution: 1°C
Total Accuracy Pressure (20...120°C) ⁽¹⁾ : typ. 0,5 % / max. 1 % FS
Accuracy Temperature: typ. 2°C / max. 3°C



PASCOLO EEx ia

Intrinsically Safe Version

Classification: EEx ia IIC T6 / EEx ia IIC T5
Certification File: 96.D6192 X/01

The EEx ia version incorporates an additional protection switch.

Functions, ranges and accuracy are identical to the standard version.

