

PM305 PRESSURE CALIBRATOR

PRECISION DIGITAL REFERENCE GAUGE

The PM305 is a self-contained portable pressure meter for commissioning, service, calibration and maintenance. The unit is light-weight and ergonomically designed for field applications. The PM305 is supplied with an integral pressure sensor, signal-conditioning electronics, a graphic display and an internal battery. The PM305 can be supplied in ranges up to 1200 bar with an internal or external sensor. The optional PreCal Windows®-based software will enable automatic calibration and generate test reports which will comply with ISO 9000 requirements.



KEY FEATURES

- **Range -0.8 to 1200 Bar**
- **Input for External Sensor**
- **Accurate to $\pm 0.03\%$ FS**
- **mA, V and Switch Test Input**
- **History Log**
- **Programmable Engineering Units**
- **RS232 Interface**
- **Ex/IS Approved for Hazardous Areas**
- **Portable and Light Weight**

SPECIFICATIONS

PRESSURE RANGES	-0.8 to 1200 Bar
ACCURACY	$\pm 0.03\%$ FS (10-40°C) (temperature effects: 0.001% of reading/°C)
MA INPUT	0-30mA ($\pm 0.03\%$ FS) (Ambient 25°C, temperature effect: $\pm 0.008\%$ /°C)
V INPUT	0-15VDC ($\pm 0.05\%$ FS)(Ambient 25°C, temperature effect: $\pm 0.008\%$ /°C)
HISTORY LOG	30 sensors, 10 points each
OPERATING TEMPERATURE (AMBIENT)	0 to +50°C
PROCESS TEMPERATURE	-20 to +80°C
PRESSURE OVERLOAD	FS x 1.5
WETTED PARTS	Hastelloy C-22
HOUSING	Anodized aluminum
OPERATING TIME ON BATTERIES	Approximately 35 hours
FUNCTIONS	Programmable: Input mA/mV/V/Switch Test, Range, Conversion, Engineering Units, Filter. Min/Max/Tare, History Log, Internal/External Sensor, Battery Indicator, Leak Test, Selectable Language (optional), Remote Operation (optional)
ENGINEERING UNITS	Bar, kPa, Mpa, atm, psi(lb/in ²), at(kgf/cm ²), torr, mHg at 0°C, inHg at 32°F, cmH ₂ O at 4°C, mH ₂ O at 4°C, inH ₂ O at 39.2°F
OVERALL DIMENSIONS	92 x 105 x 33 mm (WxHxD)
WEIGHT	650 g
EEX / IS CERTIFICATION	EEx ia IIC T5
ATEX PRODUCT NOTIFICATION	NEMKO 02ATEX445Q ATEX according to directive 94/9/EC

ORDERING INFORMATION — XXXX = Range Code (Insert selection from chart, below)

PM305-XXXX Pressure calibrator, 0.03% accuracy

Code	Pressure Range	Code	Pressure Range	Code	Pressure Range
0010	150 psi	0200	3000 psi	0550	8000 psi
0020	300 psi	0250	3600 psi	0600	8700 psi
0040	600 psi	0300	4500 psi	0650	9500 psi
0050	750 psi	0350	5000 psi	0700	10,000 psi
0060	900 psi	0400	6000 psi	1000	15,000 psi
0100	1500 psi	0450	6500 psi	1200	17,500 psi
0150	2200 psi	0500	7200 psi		