



- 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
- EEx/IS approved for hazardous areas
- Portable – light weight



## PM305/310L/310H Pressure Calibrator

**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. PM305 is supplied with integral pressure sensor, signal-conditioning electronics, graphic display and internal battery. PM305 can be supplied in ranges up to 1200 bar with internal or external sensor. The optional PreCalWindows<sup>®</sup> based software will enable automatic calibration and generate test reports which will comply with ISO 9000 requirements.

### **PM310L - for low pressure calibration**

Using PM305 together with a small hand pump we offer you a complete, portable, one-hand operated pressure calibrator named PM310L. The hand pump mounted


directly on the pressure inlet of PM305 makes it possible to generate pressures from -0,8 to 40/60 Bar (G) using dry air as pressure medium. PM310L is supplied in a case with a complete kit of test hose and fittings.

### **PM310H - for high pressure calibration**

Using PM305 together with a hydraulic pump we offer you a unique handheld high pressure calibrator named PM310H. Originally designed for use on North sea platforms, the PM310H is extremely rugged and is made for field use. Using oil or water as a pressure medium, the PM310H generates pressures up to 700 Bar (G) with accuracy of 0,03% FS. PM310H is supplied ready to use in carrying case complete with test hose and fittings.



# Technical information

	<b>PM305, PM310L, PM310H</b>
Pressure ranges	PM305: -0,8 to 1200 Bar PM310L: -0,8 to 60 Bar PM310H: 0 to 700 Bar
Accuracy	± 0,03% FS. (10-40°C), temperature effects: 0,001% of reading/°C
mA input	0-30mA (± 0,03% FS.) **
V input	0-15VDC (± 0,05% FS.) **
	** Ambient temperature 25°C, temperature effect: ± 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	Anodised aluminium
Pressure media	PM310L: All liquids/gas compatible with wetted parts alloy PM310H: Oil or distillate water
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 <sup>2</sup> ), at(kgf/cm <sup>2</sup> ), torr, mHg at 0°C, inHg at 32°F, cmH <sub>2</sub> O at 4°C, mH <sub>2</sub> O at 4°C, inH <sub>2</sub> O at 39,2°F
Overall dimensions	92 x 105 x 33 mm (w-h-d)
Weight	PM305: 650 g PM310L: 1,4 kg PM310H: 3,6 kg
EEx / IS certification	EEx ia IIC T4  , NEMKO 02ATEX 1374X
ATEX production notification	NEMKO 02ATEX445Q ATEX according to directive 94/9/EC

Note: Due to continuous product improvements, published specifications may change without notice.

**ScanSense AS** is a Norwegian company specialising in design and manufacturing of high quality sensors/instrumentation and related software for measurement of temperature, pressure, load and force.

**ScanSense AS** supplies portable temperature calibrators from -40°C to 1200°C and a range of EEx/IS approved portable pressure calibrators from vacuum to 1200 bar.

Distributed by:

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