



Calibration Instruments



- Range: from 1 to 1000 bar, selectable bar/psi
- Accuracy < 0.2 % FS
- 1000 hours continuous operation, auto power off
- High reliability, high resistance against shocks
- 5000 measurements per second/ PEAK mode
- Protection class: IP65
- Well suited for marine and industrial applications



PM205 - Digital Pressure Meter

The PM205 - digital pressure meter is a micro-processor controlled, accurate and versatile digital pressure measuring and calibration instrument with integrated fast peak-, max.- and min.- function. The instrument is used in two modes:

MANO-Mode: The pressure is measured twice per second and displayed. The top display indicates the actual pressure, the bottom display shows the MAX.- or MIN.- pressure since the last RESET.

PEAK-Mode: The pressure is measured 5,000 times per second and is brought to the display twice per second.

The PM205 has a ZERO function that allows the user to set any value as a new zero reference. Barometric pressure variations can thus be compensated.

The digital pressure meter is supplied with an internal battery with 1000 hours continuous operation in MANO-Mode, guaranteed by the AUTO SWITCH-OFF function, which activates if no key inputs are detected within the previous 15 minutes.

This digital pressure gauge finds its specific utilization in marine industry, onboard ships and mobile offshore units and in general manifold industrial fields.

The PM205, supplied with all relevant certificates, will serve as a valuable first line pressure calibration and measurement instrument.



Technical Information

Pressure range (R)	PM205 1 - 3 - 30 - 60 - 300 - 700 - 1000 bar
Accuracy, linearity/hysteresis	< ± 0.20 % FS
Internal resolution	10.000 div.
Readings per second	5000 (PEAK mode)
Working temperature range	0 to +50°C
Storage temperature range	-20 to +70° °C
Zero function	Yes
Peak function	Max. or Min.
Auto power off	15 min.
Power supply	Battery
Battery life	1000 hours continous operation in MANO-Mode. 150 hours continous operation in PEAK-Mode.
Lithium battery	3.0V size CR2430
Display	LCD
Selectable read out	bar, mbar/hPa, kPa, MPa, PSI, kp/cm2
Standard process coupling	1/4" BSP MALE
Protection class (EN 60529)	IP65
Dimensions	118mm (h) x 42mm (d), ø76mm (w)
Weight	0.21 kg

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

Scan-Sense AS is a Norwegian company specializing in design and manufacturing of high quality sensors/instrumentation and related software for measurement of temperature, pressure, load and force.

Scan-Sense AS supplies portable temperature calibrators from -40°C to 1200°C and a range of EEx/IS approved portable pressure calibrators from vacuum to 700 bar.

Distributed by:

www.scansense.no

Scan-Sense AS, Bekkeveien 163, 3173 Vear, NORWAY
Phone: + 47 33 36 30 00, Fax: + 47 33 36 30 01, E-mail: post@scansense.no