



- Jacket type hydraulic pump, 0 - 300 bar
- Accuracy < 0.2 % FS, selectable bar/psi read out
- Portable unit well suited for calibration on site
- Type approved by DnV for use onboard ships
- Designed for marine applications to comply with ISM Code regulations

PCA205M Pressure Calibrator

The PCA205M - digital pressure calibrator is a micro-processor controlled, accurate and versatile digital pressure measuring and calibration instrument with integrated fast peak-, max.- and min.- function. Hydraulic test pressure is generated by the integrated hydraulic pump while read out is done on the digital indicator.

The digital 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 PCA205M 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 calibrator finds its specific utilization in marine industry, onboard ships and mobile off-shore units and in general manifold industrial fields.

The PCA205M, supplied with all relevant certificates, will serve as a valuable first line pressure calibration and measurement instrument.

The light weight of the unit of only 3,2 kg makes it easy to perform calibration on site. The unit is supplied with a 3 m high pressure hose and a 40 mm test flange.



Technical Information

	PCA205M
Pressure range (R)	0 - 300 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 continuous operation in MANO-Mode. 150 hours continuous operation in PEAK-Mode.
Lithium battery	3.0V size CR2430
Display	LCD
Selectable read out	bar, mbar/hPa, kPa, MPa, PSI, kp/cm ²
Pressure test hose	3m, M16x1,5mm, 700 bar
Protection class (EN 60529)	IP65
Dimensions	458mm (l) x 98mm (w), 188mm (h)
Weight	3.2 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:

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