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Technical HVAC Meter PCE-932

Pressure Meter PCE-932

pressure meter with external sensors for ranges up to 400 bar / SD memory card / RS-232 interface and optional software for real time data transference / diverse units can be selected

The pressure meter with its durable design is used to measure high pressure ranges in industry or research and development. This digital pressure meter can be connected to pressure sensors with ranges up to 400 bar (each with a 1.2m connecting cable). The built-in interface RS-232 is mainly used in the development sector for direct data transference to a PC (with optional cable for the PC and software). Besides, with the PCE-932 pressure meter it is possible to store measured values in the SD without the help of any additional software. The RS-232 interface allows for data to be transferred to a computer (this required optional software and data cable). The software is compatible with Windows 95, 98, 2000, ME and XP (some information in: pressure meter interface). The pressure meter comes calibrated from the factory, but a laboratory calibration certificate, such as the DIN ISO 9000, can be ordered separately. Here you will find devices that can measure pressure up to 7 bar. This link shows an overview of our range of pressure meters that will more than suit your needs.

- Measures system pressure in all the media.

- Up to a max. of 400 bar (depending on the connected sensor).

- No calibration required when changing the sensor.

- Different measuring units

- Data-Hold function

- Excellent relation price / quality

- Memory in the SD card (up to 16 GB)

- High accuracy

  - Values are stored in Excel format in the SD card (any software is required).

  - RS-232 interface for real time data transference.

  - Low battery indication

  - Backlit LCD display

  - Adjustable measurement rate

  - Powered by batteries or via the mains

  - Easy-to-use

Fields of use

The pressure meter has a wide range of uses, such as in:
 - hydraulics, compressor systems and pumps
 - the chemical sector for process checking, measurements in tanks or sillos
 - the manufacturing sector or the plastics industry
 - research and development
 - general for testing and optimizing processes

Technical specifications

Measurement range	0 to 400 bar (depending on the sensor)
Selectable units	bar, psi, kg/cm^2, mm/Hg, inch/Hg, meter/H$_2$O, inch/H$_2$O, atmosphere
Pressure connector	optional, 5V DC, maximum output of sensor is100 mV DC (see ranges below)
Zero reset	by way of keypad
Auto shut-off	yes (this function can be disabled)
Functions	measurement of pressure, Min and Max HOLD, data transfer to a computer via RS-232 interface
Auto shut-off	to conserve battery power (can be disabled)
Rate of measurement	approx. every 0.8 seconds
Display	LCD display: 52 x 38 mm
Memory	SD card up to 16 GB (a 2 GB card is included)
Enclosure	ABS plastic
Software	optional (only for real time data transference)
Low battery indication	indicated on the display
Power supply	6 x 1,5 V AA batteries mains cable (option)
Dimensions	177 x 68 x 45 mm
Peso	350 g
Operating temperature	0 to 50°C
Operating humidity	0 to 80% r.h.

Contents

PCE-932 pressure meter and user's manual (the sensors can be ordered from the list of optional accessories below, *N.B. the meter will not function without a sensor*)

Optional accessories

- Pressure sensors

Model	Range	Accuracy	Resolution
PS-100-5	0 to 5 bar	± 2% F.S.	0.02 bar
PS-100-20	0 to 20 bar	± 2% F.S.	0.02 bar
PS-100-50	0 to 50 bar	± 2% F.S.	0.05 bar
PS-100-100	0 to 100 bar	± 2% F.S.	0.1 bar
PS-100-400	0 to 400 bar	± 2% F.S.	0.5 bar

Thread:
1/4"
Maximum temperature:
80°C
Dimensions:
30 mm diameter x 85mm long
Weight:
160g

1.2m connecting cable