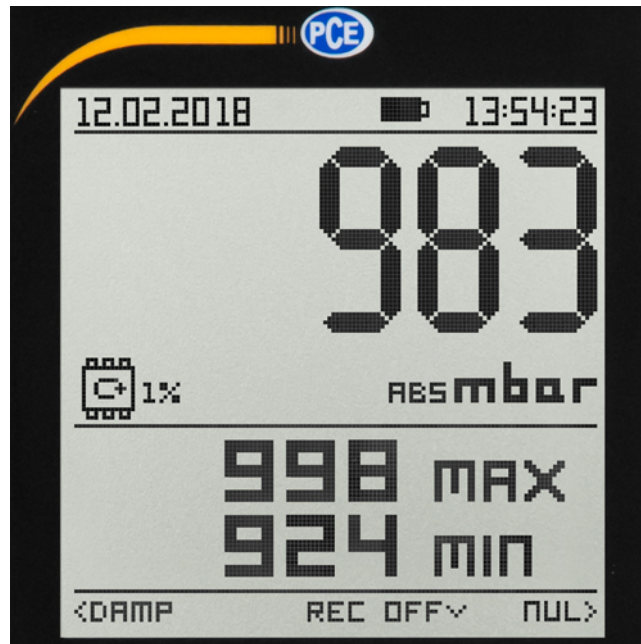


Manometer PCE-PDA A100L



PCE-PDA A100L Manometer

Measuring instrument for barometric absolute pressure up to 200 kPa / Data logger / Graphic LCD / With USB interface / MAX MIN HOLD function

The manometer PCE-PDA A100L is suitable for the measurement of the atmospheric pressure. This manometer records the pressure from absolute zero to 200 kPa. The manometer can be used for many mobile applications in industry and crafts. This professional manometer can either be operated with batteries or rechargeable batteries. In battery mode, the USB interface allows charging of the inserted batteries. The PCE-PDA A100L manometer is equipped with a large LC display. A display illumination makes it easier to read the measured values even under poor conditions. The pressure is measured by an internally installed sensor.

A plug-in nipple is available from the pressure connection. At these, the pressure of air and liquids can be passed through quick couplings to the sensor. The manometer has a precision mode that allows the resolution of the measured value to be increased tenfold. In addition to the continuous pressure measurement, the display shows the maximum and minimum measured values directly in the display. At the touch of a button, this storage can be reset. Furthermore, the manometer performs a temperature measurement. To store the measured values for further documentation purposes, the manometer has a data logger. Here, the user can specify a storage interval and a recording period in which the pressure measured values are stored.

- ▶ Graphic LCD
- ▶ USB interface
- ▶ Datalogger
- ▶ Absolute pressure measurement
- ▶ Different units
- ▶ MAX MIN HOLD function
- ▶ Measured value smoothing
- ▶ Integrated temperature measurement

Specifications

Measuring range pressure	0 ... 200 kPa absolute
Resolution	0.01 kPa, 0.1 kPa
Accuracy	<± 0.5% of the measuring range
Nominal pressure	200 kPa
Overpressure	200 kPa
Burst pressure	300 kPa
Media	Liquids Air Non-aggressive gasses
Measuring rate	10 Hz
Measurement units	Pa, hPa, kPa, MPa, mbar, bar, ATM, kg / cm ² , mmH ₂ O, cmH ₂ O, inH ₂ O, mmHg, inHg, Torr, PSI, PSF
Pressure	Absolute pressure
Pressure connections	5 mm nipple for quick connectors
Max, Min and Hold function	Yes
Data logger	1024 memory slots 1 s ... 255 h Recording time per memory location 1 s ... 24h recording interval
Medium	For air and non-explosive gasses
Zero correction	Yes, with a zero key
Averaging	Yes, between 0.1 ... 9.9 s
Display	Graphic LCD with backlight
Protection	IP41
Power supply	2 x 1.5V AA battery / 1.2V NiMh battery 5V / 500-mA USB power adapter
Current consumption	50-mA (with backlight) 10-mA (without backlight)
Operating temperature	0 ... 50°C / 32 ... 122°F
Storage temperature	10 ... 55°C / 50 ... 131°F
Dimensions	145 x 85 x 35 mm / 5.7 x 3.3 x 1.4 in
Weight	About 285 g / < 1 lb

Subject to change

