MANOMETER

PCE-PME 100-ICA



- **MAX, MIN, AVG value, HOLD**
- **audible alarm**
- **13 selectable pressure units**
- **data logging and software**
- **rechargeable lithium battery**
- **LC colour display**
- **date and time display**
- **incl. ISO-Calibration Certificate**

The digital manometer is an accurate and compact meter for differential pressure measurement in a wide range of applications, such as measuring filter resistances, pressure in furnaces, orifices, gas-air ratio equalisation, combustion processes, air conditioning systems, ventilation systems, etc. The manometer is suitable for measuring non-aggressive and non-explosive gases.

The manometer offers a variety of measuring functions such as maximum, minimum and average value calculation and a HOLD function. It offers an integrated data logging function with adjustable logging interval and real-time communication with a PC as well as export of the logged data as an xls file. The rechargeable battery enables an operating time of approx. 13 hours. The manometer has an audible alarm for monitoring during use. With 13 selectable pressure units, it can be flexibly adapted to individual requirements.

Specification

Differential pressure	
Measuring range	-100 ... +100 kPa
Resolution	0,01 kPa
Accuracy	±1 % FS

Differential pressure	
Measuring range	-1 ... +1 bar
Resolution	0,01 bar
Accuracy	±1 % FS

General technical data	
Measuring functions	MIN, MAX, HOLD, AVG
Units	inHg, Pa, bar, mmHg, mbar, hPa, inH_2O, kPa, psi, kg/cm^2, psi, Ozf/in^2, ftH_2O
Display type	LC colour display
Storage medium	Internal memory
Storage capacity	15996 Measurements
Storage interval from	1 s
Storage interval to	9999 s
Interface	USB-C
Operating time	13 h
Automatic power-off from...to	1 ... 99 min.
Alarm	Acoustic
Alarm modes	Above, below
Overpressure	3 kPa
Menu language	English
Protection class (device)	IP20
Power supply	5 V
Capacity	1000 mAh
Operating conditions	-10 ... 60 °C , 0 ... 95 % RH
Storage conditions	-10 ... 60 °C , 0 ... 95 % RH
Dimensions (L x W x H x D)	229,5 x 63 x 162 x 32 mm
Weight	180 g

PCE Instruments UK Ltd.
Chester Rd, Old Trafford Suite 1N-B, Trafford House, M32 0RS Manchester
Great Britain

Phone: +44 (0) 161 4649020
info@pce-instruments.co.uk