PCE-P05 / 15 / 30 / 50 series differential pressure meter

differential pressure meter with RS-232 interface, software, positive and negative pressure, differential, suitable for air and gases, 4 models available

This series of professional differential pressure meters offers high accuracy and performance. Aside from taking measurements with these differential pressure meters, data can be exported to a computer. The differential pressure meter is ideal for industrial applications, technical service or in laboratories. It is especially suited to measuring non-corrosive substances and has overcharge protection which is double its measurement range. The 9units of measurement which appear on the display make this series of meters an instrument with universal applications at work and will save and will save the cost of converting the results.

If you need to transfer data from the device to a computer, you will require optional software and an RS-232 cable. The software is compatible with Windows 95, 98, 2000, ME and XP.

- 9 units to choose from
- Digital display of positive, negative or differential pressure
- Memory for MIN / MAX values
- Data Hold function
- Backlit LCD
- ABS plastic
- Auto shut-off function
- The differential pressure meter is primarily used for heating and air conditioning systems, in pneumatics and in the field of medicine.

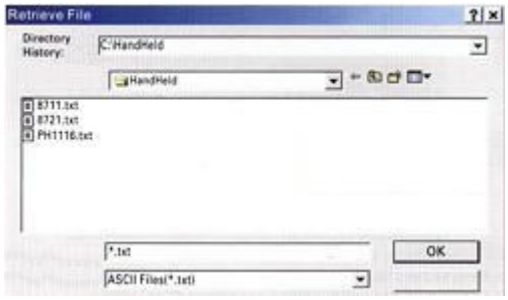
PCE-P series differential pressure meter

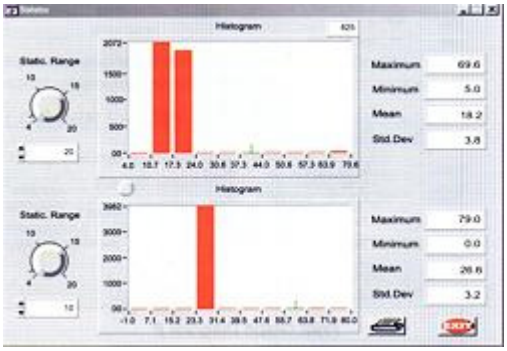
Technical specifications	
Data format	Baud rate: 2400 baud,1 stop bit, 8 data bits
Accuracy	±0.3% (across rnage up to +25°C)
Repeatability	±0.2% (max. ±0.5% of final value)
Response time	0.3ms
Maximum operating temperature	+50°C
Battery	1 x 9V battery
Dimensions	182 x 72 x 30mm
Weight	150g

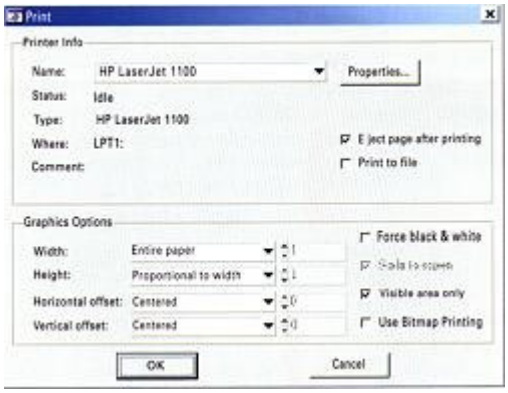
Device	Parameter	PCE-P05	PCE-P15	PCE-P30	PCE-P50
Max. pressure	positive /negative or over-pressure / negative	10 psi	30 psi	60 psi	150 psi
PSI	Range	0 to ±5	0 to ±15	0 to ±30	0 to ±100
	Resolution	0.003	0.01	0.02	0.1
mbar	Range	0 to ±350	0 to ±1000	0 to ±2000	0 to ±6900
	Resolution	0.2	1	2	4
inH_20	Range	0 to ±140	0 to ±415	0 to ±830	0 to ±2750
	Resolution	0.1	0.3	0.5	2
inHg	Range	0 to ±9999	0 to ±30.5	0 to ±61	0 to ±200
	Resolution	0.001	0.005	0.01	0.1
mmHg	Range	0 to ±260	0 to ±750	0 to ±1500	0 to ±5200
	Resolution	0.2	0.5	1	3
Torr	Range	0 to ±260	0 to ±750	0 to ±1500	0 to ±5200
	Resolution	0.01	0.02	1	1
kPa	Range	0 to ±35	0 to ±100	0 to ±200	0 to ±690
	Resolution	0.02	0.1	0.2	0.4
cmH_20	Range	not available	0 to ±1050	0 to ±2100	0 to ±7000
	Resolution	-	1	2	4
Kg / cm²	Range	not available	0 to ±1.05	0 to ±2.1	0 to ±7.0
	Resolution	-	0.001	0.002	0.004

SOFTWARE

Software and a data cable can be ordered with the device. The device connects to a computer via an RS-232 cable to allow for data transfer. The computer requires a CD drive to install the software. The following images provide a glimpse of the software.







PCE-P series differential pressure meter: differential pressure meter in use

Here you can see an air pressure measurement, being taken in a machine, using a professional differential pressure meter. Ensure that the pressures being measured are within the measurement range of the device to avoid damaging the instrument.