Manometer PCE-HVAC 4

Manometer PCE-HVAC 4 for refrigeration systems

Differential pressure gauge with a comprehensive range of functions / Temperature difference measurement/ Differential pressure measurement / Ambient temperature determination /Temperature difference measurement via thermocouples type K or measuring terminals

The manometer PCE-HVAC 4 is a versatile measuring instrument for the determination of differential pressure, differential temperature and ambient temperature.The measurements of the manometer PCE-HVAC 4 are via measuring terminals, thermocouples and an internally installed NTC sensor.All measurements can be performed simultaneously. By simply plugging in or screwing on, the measuring terminals, thermocouples and pressure hoses can be attached to the differential pressure gauge.The PCE-HVAC 4 differential pressure gauge is powered by a high-performance 7.4V polymer Li-ion battery, which is charged via the mains.

The PCE-HVAC 4 differential pressure gauge is often used in the installation and maintenance of refrigeration systems.In particular, the high measuring range up to 34.47 bar is a big advantage of the differential pressure gauge, as most differential pressure gauges do not reach these measuring ranges.The handy design, in combination with the battery mode, enables non-stationary measuring operation.

The measurements of the differential pressure gauge are made via the corresponding measuring lines.On the sides, shown in yellow, the temperature measurement by thermocouples is made.The corresponding setting also determines the temperature difference. The internally installed NTC sensor is responsible for the ambient temperature.The pressure hoses are attached to the upper side. The pressure is determined there as well as the differential pressure.

- Different measurement modes
- Built-in ambient temperature sensor
- Battery warning indicator
- Overload indicator
- Automatic shutdown can be activated
- Powerful 7.4V polymer Li-ion battery

Subject to change

Specifications

Operating conditions	0 ... 50°C / 32 ... 122°F, < 75% r.H.
Storage conditions	-20 ... 60°C / -4 ... 140°F, 0 ... 80 r.H.
Backlight	Blue
Battery	7.4V polymer Li-ion battery
Battery warning indicator	Empty battery symbol is displayed when the battery voltage drops below the operating level
Automatic shutdown	After 30 minutes of inactivity, when activated
Display outside the measuring range	"OL" or "-OL" is displayed

Technical Data Pressure Measurement

Type of connector	7/16“ PT
Measuring range	-14 ... +500 psi -96 ... +4000 kPa -0.96 ... +34.47 bar -28.5 ... 1018 inHg -72 ... +2585 cmHg
Resolution	0.1 psi / inHg 1 kPa / cmHg 0.01 bar
Measuring accuracy at 25°C / 77°F, <75% r.H.	-29 ... 0 inHg: ± 0.2 inHg -74 ... 0 cmHg: ± 0.4 cmHg 0 ... 200 psi: ± 1 psi 0 ... 1378 kPa: ± 7 kPa 200 ... 500 psi : ± 0.3% + 1 psi 1378 ... 3447 kPa: ± 0.3% + 7 kPa
Maximum overload	800 psi
Units	psi, kPa, inHg, amHg, bar

Technical Data Temperature T1 / T2

Sensor type	Thermoelement Type K
Measuring range	-60 ... 537°C / -76 ... 998°F
Resolution	0.1°C / 32°F
Measuring accuracy	-60 ... 93°C / -76 ... 199°F: ± 0.5°C 93 ... 537°C / -199 ... 998°F: ± 1°C

Technical Data Ambient Temperature

Sensor type	NTC
Measuring range	0 ... 50°C / 32 ... 122°F
Resolution	0.1°C / 32°F
Measuring accuracy	±0.5°C / 33°F

More information

Manual

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