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## Technical Thermometer PCE-HPT 1

### Thermometer with Microprocessor PCE-HPT 1

#### 1-channel thermometer with 4-wire class A Pt100 sensor / software for transmission and data value / internal data logger

The Thermometer with microprocessor is a high precision 1-channel temperature gauge. The Thermometer with microprocessor is ideal for use with various Pt100 sensors. BDue to the fact that it uses 4-wire technology has a very fast response time and precision. Therefore, the sensors of the Thermometer with microprocessor are ideal for all processes that require precision and quick response. The temperature range of the Thermometer with microprocessor reaches of -100 to +400 ° C. The comprehensive software and easy to use Thermometer with the microprocessor allows a simple assessment and see the values of a real-time measurement. The internal clock with date and time allows the user to accurately assign the results. The Thermometer has an internal data logger with adjustable measuring range.

- 1 channel temperature Recorder
- Automatic shutdown
- High accuracy
- Backlight
- Software included
- Internal data logger
- Internal Clock
- class A, 4-wire. Pt100 sensor
- Data-Hold Function
- Selectable units (° C / ° F)

### Technical Specifications

#### Sensors

#### Measurement range

Measurement range

-100 ... +400 °C

Accuracy

±0,05 % +0,1 °C (between 18 °C y 28 °C) just the device

Resolution

0,01 °C

Sensor	class A, 4-wire. Pt100 sensor
Display	5 positions, LCD
Data transmission	USB
Reproducibility	a measurement value every 0.5 s
Power supply	1x 9V battery or network adapter (optional)
Dimensions	185 x 65 x 36 mm
Weight	360 g,
Operating conditions	0 ... 60 °C, 80% R.H.
Storage conditions	-10 ... 60 °C, 80% R.H.

### **Delivery content**

- 1 x Thermometer PCE-HPT 1 with microprocessor
- 1 x Pt100 sensor
- 1 x USB cable
- 1 x software,
- 1 x 9V battery
- 1 x user´s manual