

CONDITION MONITORING THERMOMETER

PCE-T 394



- » Thermocouple types K and J
- » 4 input channels
- » Data logger up to 32,000 data records
- » Display of the temperature difference between two channels
- » Units: °C, °F, K
- » LC display 2.8" with illumination
- » Automatic switch-off

The digital thermometer offers precise temperature monitoring. With a measuring range of -210 to 1370 °C and support for thermocouple types K and J, it enables accurate measurements in different environments. Its 4 input channels allow simultaneous monitoring of multiple measuring points, making it ideal for complex applications.

Before the recording mode can be started, the digital thermometer must be connected to a PC via a micro USB port and the parameters configured using the PC software. The storage interval, the number of measured values and also the starting point of the data logger can be set. Up to 32000 data records can be recorded with this function. The interval can be set in steps from 1s to max. 24h. The digital thermometer software can also be used to export the data in pdf and csv format.

The MIN, MAX, AVG and HOLD measurement functions enable precise data recording and analysis. The thermometer switches off automatically after 20 minutes of inactivity to save energy and extend the operating time of the 3.7 V Li-Ion battery. The "Auto Power Off" function can also be deactivated. The digital thermometer is charged via the micro-USB interface and comes in a practical case for transportation.

Specification

Temperature K-type

Measurement range up to -200 ... +1370 °C

Resolution 0,1 °C

Accuracy $\pm 0.2\%$ of Rd +1 °C above -100 °C / $\pm 0.5\%$ of Rd +2 °C below -100 °C

Temperature J-type

Measurement range up to -210 ... +1100 °C

Resolution 0,1 °C

Accuracy $\pm 0.5\%$ of Rd +2 °C below -100 °C / $\pm 0.5\%$ of Rd +2 °C below -100 °C

General technical data

Number of measuring channels 4

Measuring functions MIN, MAX, HOLD, Average value

Units °C, °F, K

Display type LCD

Display size 2,8 Inch

Display refresh rate 500 mS

Storage capacity 32000 Data records

Storage interval from 1 s

Storage interval to 24 h

Interface Micro-USB

Automatic power-off 20 min

Automatic power-off can be deactivated Yes

Menu language English

Protection class (device) IP52

Power supply 5V DC

Connector type Device-europlug

Capacity 2500 mAh

Operating conditions -10 ... 50 °C, 0 ... 80 % RH

Storage conditions -20 ... 50 °C, 0 ... 80 % RH

Dimensions (L x W x H) 166 x 88 x 32 mm

Weight 247 g