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	
Measuring range	-200 ... +1370 °C
Resolution	0,1 °C
Accuracy	±0.2 % of Rd +1 °C above -100 °C / ±0.5 % of Rd +2 °C below -100 °C
Temperature J-type	
Measuring range	-210 ... +1100 °C
Resolution	0,1 °C
Accuracy	±0.5 % of Rd +2 °C below -100 °C / ±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 in
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
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

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

Phone: +44 (0) 161 464902 0
info@pce-instruments.co.uk