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# Technical Data Logger PCE-T390

**Data Logger PCE-T390**
**Type-K, J and PT100 temperature sensor inputs / data logger function (xls format) / SD card slot**
**large LC display / power supply via batteries or mains adaptor /**

The PCE-T390 data logger is a digital device with four input channels for type K and type J temperature sensors and two input channels for PT100 temperature sensors. The PCE-T390 data logger has a SD card slot (from 1 to 16 GB) for storing the measured data. The data is stored in xls format on the SD card of the data logger so that no additional software is needed for further analysis. However, there is an optional software kit available for the PCE-T390 data logger, which comes with a RS-232 cable and enables you to transfer the data to a PC and analyse it in real-time without having to remove the SD card. The sampling intervals of the data logger function can be set freely in the settings of the data logger. The display of the PCE-T390 data logger shows the temperatures of all four channels simultaneously (when there are sensors connected). The PCE-T390 data logger can be used as a handheld device in situ or as a data logger for monitoring temperature fluctuations over a certain period of time. The data logger can be used for a large variety of applications, for example in the field of maintenance, conservation, machine diagnostics and quality control. The device is also available with an optional ISO calibration certificate.

- 4 input channels for type-K, J temperature sensors
- 2 input channels for Pt100 temperature sensors
- SD card memory (1 ... 16 GB)
- Data logger function
- Backlit LCD
- Auto power-off function
- Display shows data from 4 channels simultaneously
- RS-232 interface for data transfer

**Technical specifications**

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|---|---|
| Measuring range | Type K: -100 ... +1370 °C |
| | Type J: -100 ... +1150 °C |
| | Pt100: -200 ... +850 °C |
| Resolution | Type K: 0.1 °C (-100 ... +1000 °C); 1 °C (+1000 ... +1370 °C) |
| | Type J: 0.1 °C (-100 ... +1000 °C); 1 °C (+1000 ... +1150 °C) |
| | Pt100: 0.1 °C (-200 ... +850 °C) |
| Accuracy (at +23 °C ±5 °C) | ±(0.4 % + 1 °C) |
| Sampling interval | 1 ... 3600 seconds (adjustable) |
| Sensor inputs | 4 x type K/J sensor inputs, 2 x Pt100 sensor inputs |
| Memory | SD card memory (1 ... 16 GB SD cards are supported) |

| | |
|---|---|
| PC software requirements (optional) | Windows 95 or higher |
| Display | 52 x 38 mm LCD with backlight |
| Power supply | 6 x 1.5 V AA batteries |
| | 9 V mains adaptor (optional) |
| Auto power-off function | after 30 min of idle time |
| Environmental conditions | 0 ... +50 °C, < 85 % RH |
| Dimensions | 177 x 68 x 45 mm |
| Weight | 278 g |