TC-Log 8 USB



Temperature data loggers for thermocouples up to 8 channels, resistant up to 130°C, with universal miniature connectors for thermocouples. It is possible to connect any type of thermocouple, considering that the connection between the connectors and the circuit is in copper and not with wires of the specific material of the thermocouple itself. Operative range is from -60°C to 130°C.

User replaceable battery. Does not need of any connection bay, it has a direct USB connection. Thermocouples not included.



Main features

- High temperatures resistant
- Quick response time
- USB direct connection to PC
- Reduced size
- Real time monitoring if connected to a PC via the USB interface
- User calibrable

Plus

- Easy to use
- You can use your own thermocouples and calibrate it with them
- Real time (when directly connected to the PC via USB cable)

The system

System components:

- TC-Log 8 USB
- Thermocouples
- TS Manager 3 software (compatible with the FDA 21 CFR Part 11 regulation)

Accessories

- TS Manager 3
- K type thermocouple
- T type thermocouple

Applications

Validation

Industrial

Pharmaceutical

Laboratories

Food & Beverages

Sterilisation

Medical

Healthcare

Technical specifications

Dimensions	132 h X 80 X 25 (mm)
Weight	190 g
Temperature range	-60°C ÷ +130°C
Materials	Aluminium
Number of channels	8
Mounted connectors	Universal
Available thermocouples	K, J, T, N, E, R, S, B, G, C, D
Temperature resolution	0,15 °C
Temperature accuracy	For logger only, sensors excluded: ± 0,2 °C with Accredia traceable certificate (calibration at -40/25/125°C)
Temperature accuracy	For logger only, sensors excluded: ± 0,2 °C with Accredia traceable certificate (calibration at room temperature)
Temperature accuracy	For logger only, sensors excluded: +/- 0,5°C range 0°C ÷ 75°C; +/-1°C range -40°C ÷ 0°C and 75°C ÷ 130°C without calibration
Stability time	Internal stability after a 50°C shock: 20 minutes
Memory (n. of acquisitions)	104.855 with only 1 channel, 16.383 with all 8 channels (for complete information check proper document)
Acquisition step	From 1 every second up, with 1 second steps
Battery life	+4.320.000 acquisitions at 1 second step continuously (calculated time @25°C. Battery life may be shorter if used in low temperatures)
Battery life	Infinite time at 1 second step continuously when connected to USB port, real time (calculated time @25°C. Battery life may be shorter if used in low temperatures)
Battery type	AA 3.6V Lithium Thionyl Chloride, 2Ah
Software&Mobile App	TC-Log
Software&Mobile App	TS Manager 3

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