USB Type K Thermocouple Data Logger

Description

Type K input Thermocouple data logger with USB interface designed for measuring a wide temperature range from - 200 to 1370°C.

The ST-171T is capable of storing up to 32,000 readings with logging intervals from 1 second up to every 24 hours, configurable by the windows 10 compatible software.

The logger can be used with any type K sensor that is terminated with a mini plug. It also features LED lights & alarm to indicate if the unit is recording or if it reaches a temperature limit configurable by the user. A protective cover is included to protect the USB interface when in use. The unit also features a replaceable long-life battery lasting up to 1 year

Data that has been logged can be downloaded via the included software and exported for use in other applications, such as excel.

Features

- -200 to 1370°C temperature range
- Up to 32,000 readings
- USB interface for easy data transfer & analysis
- LED Indication lights to show current status
- Audible alarm sounds when user specified temperatures are reached
- Long battery life (Up to 1 year)

Application

- Ambient Temperature Measurement
- Furnace Analysis
- Workpiece Testing
- Environmental Monitoring

For more information visit:
sterlingsensors.co.uk

Specification

Product	USB Type K Thermocouple Temperature Data Logger
Range	-200 to 1370°C
Logging Rate	From 1 second up to 24 hours
Operating Humidity	0 to 85% RH
Storage	Up to 32,000 readings
Unit of Measurement	°C, °F
Accuracy	±1°C
Software	Compatible with Windows XP/Vista/7/8/10
Dimensions	101 x 24 x 21.5mm (4x1x.9")
Weight	172g
Battery Type	3.6v Lithium (1/2 AA)
Part Number	ST-171T

See page 2 for full specification
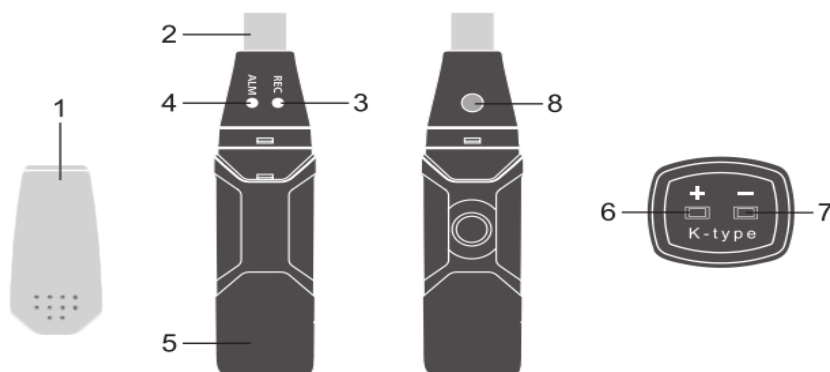
Additional Information

Description

1. Protective cover
2. USB Connector to PC port
3. Alarm LED (Red)
4. Alarm LED (Green)
5. Mounting Clip
6. Type K Anode
7. Type K Cathode
8. Start Button

Specification

Product	USB Type K Thermocouple Temperature Data Logger
Range	-200 to 1370°C
Logging Rate	From 1 second up to 24 hours
Operating Humidity	0 to 85% RH
Storage	Up to 32,000 readings
Unit of Measurement	°C, °F
Accuracy	±2°C
Software	Compatible with Windows XP/Vista/7/8/10
Dimensions	101 x 24 x 21.5mm (4x1x.9")
Weight	172g
Battery Type	3.6v Lithium (1/2 AA)
Part Number	ST-171T

SterlingSensors
Temperature Sensing Technology

Sterling Sensors UK Ltd
Fitmec Works ⠿ Hawksley Street ⠿ Oldham
United Kingdom ⠿ OL8 4PQ

T: +44 (0) 161 620 0410   **F:** +44 (0) 161 627 0507   **E:** sales@sterlingsensors.co.uk   **W:** sterlingsensors.co.uk