Handheld Temperature Recorder

MTR -100 Series

CE

Features

- 0.01 ℃ high resolution, ± 0.2 ℃ high precision
- Wide measurement range from -200 to 1820 ℃
- 100ms high sampling speed
- Three display formats: list, curve, and bar chart
- Supports multiple types of thermocouple inputs: K J E T N S R B
- 10 channels can be connected to different types of thermocouples
- Can draw real-time display curves
- Supports 18W fast charging and continuously record for about 12h
- Industrial grade 5-inch IPS touch screen
- Super strong anti-interference ability
- Adopting 32-bit high-speed MCU data processing and 24 bit high-speed AD measurement chip

Model	MTR-100
Accuracy	Basic accuracy of measurement: ± 0.2℃ + 2 words (without thermocouple error), compensation accuracy of cold end: 0.5℃
Resolution ratio	0.01℃
Measuring range	-200~1820℃ (according to the thermocouple separation range)
Support for the thermocouple type	K J E T N S R B
Sample rate	For 100ms per channel
Ambient condition	5~40℃, 20% ~ 80% RH (no condensation)
Quantity of documents	20s (cycle record)
File capacity	One file can record 200,000 groups (no number of channels)
Interrecord gap	1~300s can be set arbitrarily
Record often	Total duration of recording = recording interval of 46.29 days
Record query	Can only be query in computer software
Number of channels	10 channel
Power supply voltage	Dc 5V < 2W
Interchannel interval	Ac / dc 350V high voltage live measurement
Control output	Not
The alarm	Bezzer sound (any alarm, mute)
Communication interface	Standard configuration usb
Thermocouple	One 2-m k-type thermocouple per channel
Naked machine size	195.0mm×127.0mm×41.0mm
Net weight	About 1.5kg