

Handheld Data Recorder

MTR -100A Series



Features

- Using a 24 bit high-speed AD measurement chip
- The sampling rate can be set accordingly
- 10 channel measurement, with arbitrary selection of thermal voltage, thermal resistance, voltage, and current for each channel
- Supports multiple sensor inputs: KJETNSRB
- Thermal resistance: PT100, PT1000, CU50
- Voltage: 0-100.00mV, 0-100.000V
- Current: 0-20.000mA
- Basic measurement accuracy: 0.2 °C+2 digits (Excluding thermocouple error), cold end compensation accuracy: 0.5 °C
- Supports up to 20 record files, with 200000 sets of data per file, and the interval time can be set arbitrarily
- 1-300 seconds can be set arbitrarily
- Record files can be deleted and exported with single or multiple selections, and Excel files can be directly exported from USB flash drives and PCs
- The voltage difference between channels can reach up to AC/DC350V, with super strong anti-interference ability
- Temperature, humidity, voltage, current, flow rate, pressure, wind speed, rotational speed, liquid level, frequency, wind speed, air volume, length etc. Preset up to 23 units and support customization

Model	MTR-100A
Display Mode	5 ' IPS industrial grade LCD touchu screen
Display Forms	Real-time list values, real-time bar charts, real- time graphs
Records search	Queries can only be analysed in computer software.
Number of channels	10 channels
Transducer type	C : K J E T N S R B ; RTD : Pt100 , Cu50
Basic accuracy	0.2°C + 2 digits (without thermocouple error)
Measurement range	-200~1820°C (based on thermocouple indexing range)
Cold End Compensation	Accuracy:±0.5°C
Resolution	0.01°C
Correction	Independent error correction per channel $Y = kx + b$ (x = measured value)
Number of files	20(circular records)
File size	One file can record 200 K groups (regardless of the number of channels)
USB drive port	Export record file, the second into a USB flash drive function (the instrument is a USB flash drive)
Recording time	Total length of recording = recording interval x 46.29 days.
Sampling rate	0.1S per channel.
Channel-to-Channel Isolation	AC/DC 350V High Voltage Measurement
Alarm tone	Buzzer sound (sound at any alarm, can be set to mute)
Recording interval	Any setting from 1-300 seconds
Communication interface	USB
Power	DC5V <2W
Thermocouple	One 2 metre type K thermocouple per channel is standard.
Size	195.0mm x 127.0mm x 41.0mm
Weight	About 1.5kg
Usage environment	5~40°C,20%~80%RH(no condensation)