

Temperature recorder

MTR -4000 Series



Features

- Industrial grade 7-inch IPS touch screen 800 * 480 screen
- File list, real-time list display, bar chart (temperature rise) display, real-time/recording/analysis curve display, alarm list, system settings, etc
- Supports multiple sensor inputs: K J E T N S R B.
- Sampling speed can be customized (filter coefficient)
- The voltage difference between channels can reach up to AC/DC 350V, with super strong anti-interference ability
- Host 40 channel measurement, can expand 200 channels wirelessly/wired
- Detailed file curve analysis can be performed, with X-axis and Y-axis coordinate settings.
- Two level alarm indication, HH/H, LL/L alarm settings and alarm indication, with historical alarm recording function



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Model	MTR-4000
Display screen	7-inch high-definition IPS touch screen, 800X480 resolution
Measure	Each module has 10 channels, and the host supports up to 4 modules (40 channels)
Expansion unit	Each unit has 10 channels and can expand up to 20 units (200 channels). Note: WIFI has a maximum of 12 channels and LAN has a maximum of 20 channels, which can be used in combination.
Interface Display	File list, numerical list (statistical list), real-time curve (recorded curve), real-time bar chart (temperature rise comparison), real-time alarm (historical alarm), system settings
Statistical value	Real time value, maximum value, minimum value, average value, peak to peak value
Thermocouple measurement	KJETN SRB
Measurement accuracy	± 0.2 °C (excluding thermocouple accuracy) Cold end compensation accuracy: 0.5 °C
Measuring range	Thermocouple: -200~1820 °C [depending on thermocouple type], resolution: 0.01 °C
Correct	Independent calibration for each channel
Isolation between channels	AC/DC up to 350V, high-voltage live measurement, super strong anti-interference
Isolation between modules	AC/DC power up to 3750V.
Sampling rate	50mS sampling per channel, 0.5 seconds for all channels
Record Interval	The minimum recording interval is 0.1S, and the minimum interval time varies with the number of open channels (format: HH:MM:SS:ms)
File	Built in 8GB TF card recording, with a maximum of 100 files. The recording duration is related to the measurement channel used and the recording interval. For example, opening 40 channels and recording at intervals of 0.5 seconds can record more than 140 days.
File Export	Export external USB drive or transfer to virtual USB drive, instantly convert to disk, and read files directly.
File analysis	The file can view historical curves and analyze them at any time period (with X-axis and Y-axis coordinates set, the curve can be moved up, down, left, right, enlarged, and reduced, the time marker can be moved left and right, and the corresponding temperature values can be displayed)
Call the police	Upper and lower limit alarm settings, with alarm history (buzzer sound, can be muted)
Communication	Standard USB/RS485/RS232/LAN (Ethernet port) standard PC software
Thermocouple	Each channel is equipped with one 2-meter K-type thermocouple as standard
Custom name	Each channel can have a customizable name and can be exported to Excel
Power supply	AC 86V-265V ± 10%, frequency: 50Hz/60Hz<10W