

# Temperature Meter/Tester

## Multi-channel Temperature Data Recorder TT-2500 Series

### Product description:

TT-2500 series is multi-channels temperature tester included 16 models, this series adopts 7 inch touch screen and support input of J, K, T, E, S, N, B, R type thermocouple. It can collect multi-channel data simultaneously, with intuitive number reading, bar chart and curve graph display modes, allowing users to read various parameter in multiple ways. Data can also be recorded on a USB storage device. Meanwhile, tester has upper and lower limit alarm function and communication transmission capabilities. With its perfect function, superior performance and simple operation, it can fully meet the measurement needs of production, laboratories and R&D.



TT-2500 series



Rear panel for TT-2508 ~ TT-2564



Rear panel for TT-2572 ~ TT-25128

### Standard Accessories:

- User Manual
- Power cord
- Test report
- Communication cable
- Data collection software
- K-type Thermocouple wire set

### Features

- ◆ 7-inch 24-bit true color LCD screen, 1024X600 resolution.
- ◆ 3 scanning speeds: slow, fast and ultra-fast (100ms).
- ◆ Specify channel scan and with cold junction compensation.
- ◆ 2U height, support up to 64 channels scanning, the industry's highest integration temperature scanning tester.
- ◆ Automatic detection of broken couples, intuitive numerical display, histogram and graph display.
- ◆ Standard 8G USB flash disk and USB Host interface, supporting USB flash disk storage and flash disk segmentation.
- ◆ With a file system, shutdown does not lose current instrument settings.
- ◆ Standard 8G U disk and USB Host interface, support U disk storage.
- ◆ Temperature upper and lower limit alarms and color changes warning for over-run reading, It can set the upper and lower limit for each channel.
- ◆ Suitable for standard half 2U cabinet, ultra short chassis.
- ◆ Screen capture function, data recording and parameter saving function.
- ◆ Each channel can independently set sorting boundaries and handler sorting results and can be expanded to 64 channels and 128 channels (with new rear slot type)
- ◆ Tester firmware program can be upgraded via USB Host.
- ◆ The handler interface is used to achieve online operation. It is the only temperature scanner with a fully insulated handler interface in the industry, saying goodbye to the embarrassment of not being able to directly connect a temperature tester to a PLC.

### Ordering Informations

**TT-2508 ~ 64**: Multi-channel Temperature Data Recorder (Thermocouple, Isolation 350Vdc)

### Specifications

Model	TT-2508	TT-2516	TT-2524	TT-2532	TT-2540	TT-2548	TT-2556	TT-2564
Number of Channel	8	16	24	32	40	48	56	64
Key Features	Scanning measurement, peak to peak isolation voltage between channels 350VDC							
Graduation	Thermocouple: K/N/E/J/T/R/S/B Type							
Test Range	-200°C ~ 1800°C (depending on the thermocouple type)							
Resolution	0.01°C							
Basic Accuracy	±0.2%±2digits (excluding thermocouple accuracy)							
Scan Speed	Slow 1s acquisition of 64 channels, fast 500ms acquisition of 64 channels (optional 100ms acquisition)							
Channel expansion	8 ~ 64 (depending on the product model) Support channel expansion to 128 channels and 256 channels							
Comparator	Specially designed temperature upper and lower limit alarms and color warnings for over-limited reading, can set upper and lower limited for each temperature data.							
Other Functions	Optional rechargeable battery							
Interface	RS-232, USB HOST as standard							
Temp & Humidity	Temperature: 15 ~ 35°C, Humidity: <80% RH							
Power supply	100 ~ 240Vac, 50Hz/60Hz, Rated power: 10 VA							
Dimension	215 (W) x 140 (H) x 330 (D) mm.							
Weight	3 kg.							