

# Temperature Meter/Tester

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

### Product description:

Multi-channels temperature tester included 16 models, this series adopts 7 inch touch screen and support 2 kinds of temperature are thermocouple (type J, K, T, E, S, N, B, R) and RTD (Pt100, Cu50) 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-2500H series



Rear panel for TT-2508H ~ TT-2548H

### Features

- ◆ 7-inch 24-bit true color LCD screen, 480X272 resolution.
- ◆ Support 10ms scanning speed.
- ◆ Support 48 channels scanning, the industry's most integrated temperature scanning tester
- ◆ Automatic detection of disconnection, intuitive numerical display, bargraph and curve graph display.
- ◆ Thermocouple type : K, J, T, E, N, S, R, B.
- ◆ Thermal resistor : Pt100, Cu50.
- ◆ Cold junction compensation.
- ◆ Voltage and current measurement
- ◆ Specify channels scan.
- ◆ Built-in 4GB memory, standard 8G U disk and USB HOST interface, support U disk storage and support U disk partitioning.
- ◆ Screen capture function, data recording and parameter saving function.
- ◆ With a file system, current instrument setting will not be lost when power is turned off.
- ◆ Interface RS232 and USB HOST standard and support SCPI protocol.

### Specifications

Model	TT-2508H	TT-2516H	TH-2524H	TT-2532H	TT-2540H	TT-2548H
No. of channel	8	16	24	32	40	48
Key Features	Scanning measurement, peak to peak isolation voltage between channels 1500VDC, customizable 6000VDC					
Graduation	Thermocouple	K/N/E/J/T/R/S/B Type				
	Thermal Resistor	Pt100/ Pt1000/ Cu50				
Test Range	-200°C ~ 1800°C (depending on the thermocouple type)					
Resolution	0.01°C					
Basic Accuracy	±0.2%±2digits (excluding thermocouple), PT100 : ±0.6°C, Cu50 : ±0.6°C					
Scan Speed	Slow 100ms acquisition of 48 channels, fast 10ms acquisition of 48 channels					
Channel expansion	8 ~ 48 (depending on the product model) Support channel expansion to 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					
Temp & Humidity	Temperature 15~35°C, temperature <80% RH					
Power supply	100 ~ 240Vac, 50Hz/60Hz, Rated power : 10 VA					
Dimension	215 (W) x 140 (H) x 330 (D) mm.					
Weight	3kg.					

### Ordering Informations

**TT-2508H ~ 64H** : Multi-channel Temperature Data Recorder  
(Thermocouple & RTD, Isolation 1500Vdc)

### Standard Accessories :

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