

# Temperature Meter/Tester

## Multi-channel Data Recorder (Temp. / Voltage / Current) TT-2500V Series

### Product description:

Multi-channels temperature tester supports 128 channels (16 models) scanning, this series adopts 7 inch true color LCD touch screen and support 4 kinds input signals are temperature (thermocouple : 8-types, RTD : 2-types), voltage and current measurements. 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, R&D and so on.



TT-2500V series

### Features

- ◆ 7-inch 24-bit true color LCD screen, 480X272 resolution.
- ◆ Support 100ms scanning speed.
- ◆ Support 64 channels scanning, a highly integrated temperature scanning tester in the industry.
- ◆ Automatic detection of disconnection, intuitive numerical display, bar chart and line chart display modes.
- ◆ Thermocouple sensor type : K, J, T, E, N, S, R, B.
- ◆ Resistance temperature detectors (RTD) : Pt100, Cu50.
- ◆ Voltage and current measurement.
- ◆ Cold junction compensation.
- ◆ Specify channels scan.
- ◆ It has 4GB built-in memory, comes standard 8G flash drive and USB HOST interface, support USB flash drive storage and USB flash drive partitioning.
- ◆ The port has a file system and the current Tester setting are not lost when the instrument is turned off.
- ◆ Screenshot function, data recording and parameter saving function.
- ◆ Interface RS232 and USB HOST standard and support SCPI protocol.



Rear panel for TT-2508V ~ TT-2564V

### Ordering Informations

**TT-2508V ~ 64V** : Multi-channel Data Recorder (Thermocouple, RTD, Voltage and current Isolation 350Vdc)

### Standard Accessories :

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

### Specifications

Model	TT-2500V series	
Number of channel	8 / 16 / 24 / 32 / 40 / 48 / 56 / 64 / 72 / 80 / 88 / 96 / 104 / 116 / 128 (support expansion up to 256 channels)	
Key Features	Scanning measurement, peak to peak channels isolation voltage 350VDC	
Input Signal	Thermocouple	K / N / E / J / T / R / S / B
	Thermal Resistor	Pt100 / Cu50
	Voltage	±100V : 100.00V (0.05%) ; 10.000V (0.05%) ; 1.0000V (0.05%) ; 100.00mV (0.1%)
	Current	±20mA
Test Range	-200°C ~ 1800°C (temperature varies depending on the thermocouple type)	
Resolution	0.01°C	
Basic Accuracy	±0.2% ±2digits (excluding thermocouple), Pt100 : ±0.6°C, Cu : ±0.6°C	
Scan Speed	Slow acquisition of 64 channels in 1s, fast acquisition of 64 channels in 500ms (optional: 100ms data acquisition)	
Channel expansion	8 ~ 128 (depending on the product model) Support channel expansion to 256 channels	
Comparator	It features temperature upper and lower limit alarms and color-changing warnings for exceeding the limited reading. Upper and lower limits can be set for each temperature data channels.	
Other Functions	Optional rechargeable battery	
Interface	RS-232, USB HOST are in standard configuration	
Temp & Humidity	Temperature 10 ~ 40°C, Humidity : 10 ~ 90% RH	
Power supply	100 ~ 240Vac, 50Hz/60Hz, Rated power : 20 VA	
Dimension	215 (W) x 140 (H) x 330 (D) mm.	
Weight	3kg.	