

Temperature Meter/Tester

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

Product description:

Multi-channels temperature tester supports 48 channels (6 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-2500VH series



Rear panel for TT-2508V ~ TT-2548VH

Test lead Interface for RTD
(3-wire sensor types)

Features

- ◆ 7-inch 24-bit true color LCD screen, 480X272 resolution.
- ◆ Support 10ms scan speed.
- ◆ Support 48 channels scanning, a highly integrated temperature scanning tester in the industry.
- ◆ Automatic disconnection detection function, 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.
- ◆ It has built-in 4GB memory, comes with 8G USB 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.

Ordering Informations

TT-2508VH ~ 48VH : Multi-channel Data Recorder (Thermocouple, RTD, Voltage and current Isolation 1500Vdc)

Standard Accessories :

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

Specifications

Model	TT-2500VH series	
Number of channel	8 / 16 / 24 / 32 / 40 / 48	
Key Features	Scanning measurement, peak to peak isolation voltage between channels 1500VDC, customizable 6000VDC	
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 48 channels in 100ms, Fast acquisition of 48 channels in 10ms	
Channel expansion	8 ~ 48 (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.	