



# Micro Signal Type Tester

## II. TH2516 Series DC Resistance Meter

Measurement function			
Resistance measurement time	FAST:10ms; MED:25ms; SLOW1:115ms; SLOW2:455ms Above data is correct when DISPLAY is OFF; when DISPLAY is ON, 20ms should be added.		
Temperature measurement time	100 ± 10ms	-----	
Test terminal	4-terminal		
Average setup	1--255		
Zero clearing	√		
Range switch	Auto, Manual		
Trigger mode	Internal, Manual, External, BUS		
Power frequency selection	√ (avoid the interface of the power noise)		
Setting data storage	30 groups		
Low voltage measurement	Open voltage: ≤ 40mV Effective range: 2Ω, 20Ω, 200Ω, 2kΩ		
Thermal electromotive force elimination	√	-----	
Statistics function	AVG, MAX, MIN, OSD (Overall standard deviation), SSD (Sample standard deviation), Process capacity index (Cp, cpk)		
Beep state	Comparator, Button		
Key lock	√		
Temperature measurement			
Temperature measurement1	Sensor: PT500 Display: -99.9°C - 250°C	-----	-----
Temperature measurement2	Analog input: 0V--2V Display: -99.9°C - 999.9°C	-----	-----
Temperature compensation	√ (convert the resistance measurement value to that one measured under preset temperature)	-----	-----
Temperature switch	√ (temperature rising is gained from resistance test values before and after warming)	-----	-----
Compare Judge			
Comparator	Signal output	HI/IN/LO	
	Beep	Beep mode: OFF, IN, HI/LO	
	Limit setup mode	Absolute value high/low limit, Percentage high/low limit +nominal value	
Sorting	3 bins, absolute value/percentage		
External trigger delay time	Auto: dependent on range, low voltage mode ON/OFF, OVC (offset voltage compensation) ON/OFF Manual: 0.000--9.999s		
External input trigger	Rising/Failing edge		
Interface			
Interface	USB DEVICE, USB HOST, RS232C, HANDLER		
General specification			
Working condition	Temperature:0°C - 40°C, Humidity:≤ 80%RH		
Storage condition	Temperature:-10°C - 50°C, Humidity:≤ 90%RH		
Accuracy guarantee condition	Temperature:18°C - 28°C, Humidity:≤ 80%RH		
Power	Voltage	99V—121V,198V—242V	
	Frequency	47.5Hz—63Hz	
Consumption	30 VA		
Dimension	215mm×89mm×360mm (net size) 235mm×104mm×360mm (with foam sheath)		
Weight	Approx.3.6kg		

\*: the accuracy is guaranteed under certain environmental and test conditions:temperature of 18°C-28°C,humidity is ≤ 80%RH,test speed is SLOW2 (see details in Manual).