

Insulation Resistance Tester

High-Insulation Resistance Meter TR-2683 Series

Product description:

TR-2683 series Insulation resistance meter, LCD display dual test function, resistance/leakage current in one instrument, measuring the insulation properties of electronic components and components (especially capacitance), dielectrics, materials, devices, wires, cables, etc., and also has a sorting output and external single pulse signal input interface, making it easy for pipeline operation. The instrument has a powerful anti-interference ability, which makes the measurement more reliable.



TR-2683A



Features

- 4.3-inch 24-bit true color LCD screen with 480×272 resolution
- Soft switching function
- Insulation resistance and leakage current dual display
- Clear function
- Contact check function for capacitive materials
- Faster test : 30ms/time
- Programmable sequential test mode
- 6 ranges, manual or automatic mode
- Four-level comparison function: three levels are qualified, one level is unqualified
- 20 sets of internal files, support USB file access
- The measurement results can be saved in a USB flash drive.
- Screen capture function, data recording function
- Automatically upgrade system firmware via USB flash drive
- Foot switch trigger function

Ordering Information

TR-2683A : 10kΩ ~ 10TΩ Insulation Resistance Meter

TR-2683B : 10kΩ ~ 5TΩ Insulation Resistance Meter

TR-2683C : 100kΩ ~ 1TΩ Insulation Resistance Meter

TR-2683D : 100kΩ ~ 500MΩ Insulation Resistance Meter

Standard Accessories :

- User Manual
- Power cord
- Three-terminal Test cable

Specifications

		TR-2683A	TR-2683B	TR-2683C	TR-2683D
Resistance	Measuring Range	10kΩ ~ 10TΩ	10kΩ ~ 5TΩ	100kΩ ~ 1TΩ	100kΩ ~ 500GΩ
	Accuracy	±5%			
Current	Test Range	Range 1: 100μA ~ 1mA, input internal resistance : 10kΩ			
		Range 2: 10μA ~ 100μA input internal resistance : 10kΩ			
		Range 3: 1μA ~ 10μA input internal resistance : 10kΩ			
		Range 4: 100nA ~ 1μA, input internal resistance : 10kΩ			
		Range 5: 10nA ~ 100nA, input internal resistance : 1MΩ			
		Range 6: 1nA ~ 10nA, input internal resistance : 1MΩ			
Voltage	Test Range	1V ~ 1000V	1V ~ 500V	10V ~ 1000V	10V ~ 500V
	Accuracy	1% ± 1V when voltage ≥ 10V and 10% ± 0.1V when voltage < 10V			
Current Limit		10mA			
Swtich		Manual open or close on the front panel or via the built-in timer control or remote control			
Charging Time		0 ~ 999s, programmable			
Measure Delay		0 ~ 999s, programmable			
Test Speed		Fast : ≤30mS Slow : ≤60ms		Fast : ≤90mS Slow : ≤180ms	
Comparaotr Function		4 Bin (3 Bin is PASS, 1 Bin is Fail)			
Range Mode		Automatic, Hold			
Memory		20 groups internal memory, USB flash drive			
Interface		RS-232C, USB Deivce, USB Host, HANDLER			
Working Environment		Tempertaure : 10°C ~ 40°C, Humidity : ≤90%RH			
Storage Environment		Tempertaure : -10 ~ +40°C, Humidity : ≤90%RH			
Input Power		198 ~ 242Vac, 50Hz			
Power Consumption		50VA			
Dimension (WxHxD)		215x88x335 mm.			
Weight		3.6 kg.			