Insulation Resistance Tester

Handheld High-Insulation Resistance Tester
TR-3935 series

Product description:

TR-3935 series is a high-performance digital insulation resistance tester featuring a large backlit LCD, data storage, alarm and auto-shutdown functions. Supports insulation resistance, AC/DC voltage, absorption ratio, and polarization index measurem ents with high accuracy and reliability. Ideal for testing transformers, motors, cables, electrical equipment, and insulation systems in industrial, power, and telecommunications applications. This tester is composed of medium and large-scale integrated circuits. This series features high output power and a variety of output voltage levels (equipped with 5 voltage levels in total). Specifically, DC voltage measurement range is 0~1000V, AC voltage measurement range is 0～750V,DC current measurement range is 100 pA to 6 mA and capacitance measurement range is 10nF-50μF.



TR-3935 series

Features

- Functions are Insulation Resistance Test, Voltage Test, DC Current Test, Capacitance Test
- Insulation resistance Voltage Range 100V, 250V, 500V, 1000V, 2500V, 5000V, 10000V
- Ramp Test: Target voltage steps up from 10% to the final target voltage
- Resistance Range: 0.05MΩ ~ 10TΩ
- Capacitance: 10 nF ~ 50 μF (only TR-3935A/E)
- DC Voltage Range: DC 0.0 V ~ 1000 V
- AC Voltage Range: AC 0.0 V ~ 750 V
- Filter Test: 10s, 20s, 30s, 40s
- Data Storage: 500 groups of data



Accessories set



Ordering Information

TR-3935 : 2500V/2TΩ Insulation Resistance Tester
TR-3935A : 5kV/10TΩ Insulation Resistance Tester w/ Capacitance test
TR-3935E : 10kV/2TΩ Insulation Resistance Tester w/ Capacitance test

Standard Accessories:

- User Manual
- Test cable set
- USB communication cable
- Instrument bag
- High-voltage rod
- Monitoring Software CD-ROM
- 14.8V/1.5A Charger

Specifications

Model	TR-3935	TR-3925A	TR-3935E
Function	Insulation resistance test, voltage test, current test		
Reference Conditions	23°C ±5°C, below 75%RH		
Rated voltage (V)	Rated voltage × (1±20%)		
Voltage levels	100V/ 250V/ 500V/ 1000V/ 2500V	250V/ 500V/ 1000V/ 2500V/ 5000V	500V/ 1000V/ 2500V/ 5000V/ 10000V
Resistance Range	0.05MΩ ~ 2TΩ	0.205MΩ ~ 10TΩ	0.30MΩ ~ 2TΩ
DC Voltage Test	0 ~ 1000V, Resolution 0.1V		
AC Voltage age Test	0 ~ 750V, Resolution 0.1V		
Capacitance test		10nF ~ 50μF, Resolution 0.01nF	
Output short-circuit Current	About 5mA@2500V		
DAR & PI Measurement	◆		
Filter Test	10s 20s 30s 40s		
Ramp Test	The target voltage is increased to the final target voltage in 10% steps		
Backlight	Controllable grayish screen backlight, suitable for use in dim place		
Display mode	Four super large LCD displays, gray and white backlight		
LCD Display Size	110mm × 60mm		
Data Storage	500 groups, "FULL" symbol indicates that storage is full		
Data Retrieval	Data Retrieval Function: "MR" symbol display		
Overflow Display	Over-range overflow function : ">" symbol display		
Alarm Function	Alarm when the measured value exceeds the alarm setting value		
Automatic Shunt-down	The instrument is shut down after about 15 minutes without operation		
USB cable / Bluetooth	◆		
Power Consumption	Standby : 100mA Max (Backlight Off), Power ON with Backlight 120mA Max, Measurement: 1.3A Max (backlight Off)		
Insulation Resistance	≥50MΩ (DC 1000V 1min, between the measure circuit and the endclisure)		
Withstand Volatge	AC3kV/50Hz 1min		
Operation Environment	-10°C ± 50°C , <85%RH		
Dimension	230mm(L) ×165mm (W) × 73mm (H)		
Weight	1400g (including battery)		
Production Compliance	IEC61010-1, Pollution degree 2, CAT III 600V		

 All specifications are subject to be changed by Tessio without notice.