

# Insulation Resistance Tester

## High-Insulation Resistance Meter TR-3930 Series

### Product description:

TR-3930 series is high Insulation Resistance Tester adopts high-performance processor control, supports seven- range testing and the output voltage can be set arbitrarily from 0 to 1500V at 1V resolution. It can test resistances from 500Ω to 9.9PΩ and the max display value is 99999. The device has high precision, high stability and versatility, and is suitable for insulation resistance testing of various electrical and electronic components and equipment and volume resistivity of materials.



TR-3930



### Features

- 4.3-inch TFT true color LCD display.
- Intelligent measurement instrument with high performance ARM micro processor control design. It is ideal for different ranges of various electrical, electronic parts and electronic equipment testing.
- One-in-four professional instrument that integrates insulation resistance meter, picometer, digital potentiometer and digital high voltage source meter 6 measurement ranges.
- 0.001V~1500V arbitrary voltage output under 1V resolution meets any test voltage requirements and can test resistance 500Ω~9.9PΩ, with max display of 99999 digits.
- Equipped with test electrode can test the volume resistivity and surface resistivity of the material and can accurately draw curve V-I/V-R curve.
- Equipped with discharging function.
- Super-high speed testing provides the best solution for automated production.
- TR-3530 has a sorting and beeper function
- Equipped with Handler and RS232 interfaces fit for the automatic sorting system to complete the automatic pipeline test.
- Calibration function, open-circuit clearing at full measurement ranges.

### Ordering Information

- TR-3930** : 9.9PΩ/1000V High Insulation Resistance Meter  
**TR-3930A** : 9.9PΩ/1500 High Insulation Resistance Meter

### Standard Accessories :

- User Manual
- Power cord
- 4 wire test cable

### Optional Accessories :

- Electrode box



Electrode Box

### Specifications

Model	TR-3930	TR-3930A
Parameter	Insulation resistance, Leakage current, Surface resistance, Volume resistivity	
Voltage Accuracy	0.5%	
Output Voltage	1 ~ 1000V, step 1V	1 ~ 1500V, step 1V
Test Ranges	Insulation Resistance	500Ω ~ 9.9PΩ
	Leakage Current	2mA ~ 10fA
Range	7 ranges, auto and manual	
Test Accuracy	1% (10MΩ ~ 1GΩ), 3% (1GΩ ~ 10GΩ), 5% (10GΩ ~ 100GΩ), 10% (100GΩ ~ 1TΩ), 20% (Over 1TΩ)	
Speed	1 times/s, 5 times/s	
Correction	Open correct in full range	
Charge Time	0 ~ 999.9s	
Comparator	1 group record, (HI), (IN), (LO)	
Trigger Mode	Manual trigger (MAN), External trigger (EXT), Bus trigger (BUS)	
Interface	RS-232C, LAN, I/O	
Working Environment	Tempertaure : 10°C ~ 40°C, Humidity : ≤80%RH	
Storage Environment	Tempertaure : -10 ~ +40°C, Humidity : ≤80%RH	
Input Power	198 ~ 240Vac, 47 ~ 63Hz	
Dimension (WxHxD)	215x88x335 mm.	
Weight	3.6 kg.	