

# Resistance Tester

## Single & Multi Channel DC Resistance Meter TR-3544 Series (1/12/24 channels)

### ► Product description:

TR-3544 series is a single-channel and multi-channel DC resistance meter with high efficiency and high accuracy of 0.02%. It is designed for different applications in desktop and portable. The test range of 0.1μΩ~3.0MΩΩ can meet most resistance test applications. The anti-interference circuit design enables the instrument to perform accurate tests in various complex electromagnetic environments. In the multi-channel model, each model has 2-wire and 4-wire switching modes with 12/24/48 channels respectively. It also stands out with its anti-interference performance, making it very suitable for automatic support equipment to perform complete testing.



TR-3544 (Single-channel)



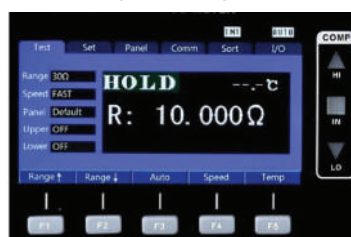
### Features

- Offering 0.02% basic accuracy, 0.1μΩ minimum resolution, 1A maximum test current
- With measurable range 0.1μΩ ~ 3.3MΩ
- Anti-interference measurement is achieved by protecting the probe used by the port and increasing the test current.
- Using the sorting indicator (option) with loud volume sound to accurately judge whether it is qualified or not at the production site.
- Interface with RS232/RS485/LAN and EXT I/O port, TR-3544 multi-channel resistance meter is especially suitable for supporting ATE line to complete automatic test.
- Support multi-channel test, up to 24 test points via four terminals
- Rich interface for automation equipment
- Unique 300mA current test
- With automatic test function
- TR-3544-12/24 can guarantee test accuracy

### Standard Accessories :

- User Manual
- Test Lead
- Power cord
- Temperature probe
- Communication cable
- Handler cable (Option)

### Operation display



TR-3544-12/24 (12/24 channel front panel)



TR-3544-12 (12 channel rear panel)

### Ordering Informations

- TR-2604** : 4 channels, 1μΩ ~ 2MΩ DCR Meter
- TR-2610** : 10 channels, 1μΩ ~ 2MΩ DCR Meter
- TR-2620** : 20 channels, 1μΩ ~ 2MΩ DCR Meter
- TR-2630** : 30 channels, 1μΩ ~ 2MΩ DCR Meter

### Specifications

| Model                | TR-3544  | TR-3544-12  | TR-3544-24  |
|----------------------|--|-------------|-------------|
| Display              | 3.5 inch TFT LCD display   |             |             |
| Number of channel    | 1 (4-wire)   | 12 (4-wire) | 24 (4-wire) |
| Measurement Items    | ESR, Temperature   |             |             |
| Basic Accuracy       | 0.1%± 10 reading ( 3mΩ, 30mΩ, 3MΩ ) ; 0.05%± 4 reading, 0.02%± 2 reading ( the other ranges) |             |             |
| Measurement Range    | 3mΩ / 30mΩ / 300mΩ / 3Ω / 30Ω / 300Ω / 3kΩ / 30kΩ / 300kΩ / 3MΩ                              |             |             |
| Measurement Speed    | Fast (50Hz : 21ms, 60Hz:18ms), SLOW (200ms)  |             |             |
| Maximum Test Current | DC 1A, Max 5.5V  |             |             |
| Temperature Range    | -10°C ~ 60°C Accuracy : ±1°C   |             |             |
| Correction           | Short-circuit rest for all ranges  |             |             |
| Comparator           | HIGH / IN / LOW sorting , 10 BIN-out   |             |             |
| Internal Data Stroe  | Support with PC software and store in PC   |             |             |
| Trigger              | Internal / External / Manual   |             |             |
| Signal Source        | AC 1kHz, Test current : <150mA   |             |             |
| Resolution           | 0.1μΩ  |             |             |
| Other Functions      | Temperature correct, power frequency setting   |             |             |
| Interface            | External I/O, LAN, RS-232  |             |             |
| Working Environment  | Tempertaure : 0 ~ 40°C, Humidity : ≤80%RH  |             |             |
| Storage Environment  | Tempertaure : -10 ~ +40°C, Humidity : ≤90%RH   |             |             |
| Input Power          | 100 ~ 256Vac, 50 ~ 60Hz  |             |             |
| Rated Power          | 10W  |             |             |
| Dimension (WxHxD)    | 325 mm x 215 mm x 96.5mm.  |             |             |
| Weight               | 2 kg.  |             |             |