

# Safety Tester/Hipot Tester

## IV. TH9410A/TH9411A Ground Bond Tester

NEW

### Features

- Test current: 1.00-45.00A
- Grounding resistance range: 0-600mΩ
- Four-terminal test mode to ensure test accuracy
- The internal power amplifier circuit drives the current output, which is not affected by the power supply and load
- The output holes on the front and rear panels are designed to facilitate the integration of standard chassis
- 480×272 dots, TFT-LCD display
- 999.9 seconds test time, which is greater than common 60S test requirements
- Keyboard lock function to prevent misoperation
- Safety lock function to prevent the instrument from accidentally opening the test state
- Store 20 test files, each with 20 test steps



| RS232    | USB HOST | USB DEVICE | HANDLER  |
|----------|----------|------------|----------|
| standard | standard | standard   | standard |

Dimension (mm): 280(W) x 88(H) x 428(D)

Net weight: 14 kg

### Application

- Automated test system
- Household appliances
- Transformer, motor
- Electrical equipment
- Electric heating appliances
- Lighting industry
- New energy vehicles
- Electronic components
- Medical equipment

### Specifications

| Model       |                |                     | TH9410A   |           |             |                   | TH9411A   |  |
|-------------|----------------|---------------------|---|-----------|-------------|-------------------|-----------|--|
| Output      | Current        | Scop                | 1A-45A  |           |             |                   | 1A-32A    |  |
|             |                | Range               | 1.00A-5.00A   | 5.01A-30A | 30.01A- 45A | 1.00A-5.00A       | 5.01A-32A |  |
|             |                | Accuracy            | ±(2% Reading + 3 Digit)   |           |             |                   |           |  |
|             |                | Setting Resolution  | 0.01A   |           |             |                   |           |  |
|             |                | Readback Resolution | 0.01A   |           |             |                   |           |  |
|             | Output Voltage |                     | 8Vmax   |           | 6Vmax       | 8Vmax             |           |  |
|             | Frequency      |                     | 50 / 60Hz: ± 0.1%SET  |           |             |                   |           |  |
| Resistance  | Test Range     |                     | 0-600mΩ (Rmax <=6 / Iset (Iset: Setting Current)), The max Resistance could be 600mΩ when the current is less than 10A. |           |             |                   |           |  |
|             | Accuracy       |                     | ± (2% Reading + 2 Digit)  |           |             |                   |           |  |
|             | Resolution     |                     | 1 mΩ  | 0.1 mΩ    | 0.1 mΩ      | 1 mΩ              | 0.1 mΩ    |  |
|             | Setting        | Upper Limit         | 0-600mΩ   |           |             |                   |           |  |
|             |                | Lower Limit         | 0-600mΩ (Less than Upper Limit)   |           |             |                   |           |  |
|             |                | Resolution          | 1mΩ   |           |             |                   |           |  |
|             | Bias           | Range               | 0 - 100 mΩ  |           |             |                   |           |  |
|             |                | Resolution          | 0.1mΩ   |           |             |                   |           |  |
|             |                | Accuracy            | ± (2% Setting + 2 Digit)  |           |             |                   |           |  |
| Test Time   |                | Range               | 0, 0.5 - 999.9s (0 = Continuous)  |           |             |                   |           |  |
|             |                | Resolution          | 0.1s  |           |             |                   |           |  |
|             |                | Accuracy            | ± (0.1% + 0.05s)  |           |             |                   |           |  |
| Input Power |                | Voltage             | 110V, 220V  |           |             |                   |           |  |
|             |                | Frequency           | 47.5-63Hz   |           |             |                   |           |  |
|             |                | Power Consumption   | <=900VA   |           |             | <= 800VA          |           |  |
| Size        |                |                     | 340mm×120mm×450mm   |           |             | 340mm×120mm×450mm |           |  |
| Weight      |                |                     | About 15kg  |           |             | About 15kg        |           |  |