

# TTR-6300



## Key Features

- Selectable test modes: single-phase, three-phase, blind test, Z-type test
- Wide measurement range: 0.9 to 10000 ratio
- High accuracy:  $\pm 0.2\%$  [0.9–2000],  $\pm 0.5\%$  [2000–10000]
- Maximum resolution: 0.0001
- 5-inch full-colour touchscreen LCD display (854\*480 dots)
- Data storage capacity: 500 sets of test results
- Supports USB PC connection and Bluetooth mobile app
- Rechargeable lithium battery with charging function
- Automatic shutdown (1–30 minutes configurable)
- Compact design: only 1.5 kg including battery

## Ideal for

- Power utilities
- Transformer manufacturers
- Service/maintenance teams.

## Reliable Transformer Testing, Simplified.

The TTR-6300 is a precision transformer turns ratio (TTR) tester designed with advanced microprocessor technology. It enables quick and reliable determination of transformer ratios and vector groups, supporting multiple test modes for single-phase, three-phase, and Z-type transformers. Compact, lightweight, and battery powered, the TTR-6300 is ideal for utilities, manufacturers, and service providers.

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# Transformer Turns Ratio Tester

## Technical Specifications

TTR-6300 Transformer Turns Ratio Tester	
Transformer test types	Single-phase transformer, three-phase transformer, Z-type transformer, PT, CT
Variable Ratio Range	0.9 – 10000
Accuracy	±0.2% [0.9–2000], ±0.5% [2000–10000]
Resolution	0.0001
Display	5-inch [108 x 65 mm] full-colour LCD touchscreen
Overload protection	YES
Data storage	500 groups
Auto shutoff	1 – 30 mins (configurable)
Interfaces	USB connection, Bluetooth app support

### Standards Compliance

IEC61010-1, CAT III 600V, Pollution Degree 2

### EMC

IEC61010-4-3, Wireless field  $\leq 1$  V/m

### Power Supply

DC 9.6V, 3800 mAh rechargeable lithium battery

### Power Dissipation

Standby ~2W (100% brightness), Max 12W

### Insulation Resistance

$>10$  M  $\Omega$  (500V between circuit and housing)

### Withstand Voltage

AC 3700V rms (between circuit and enclosure)

### Standard Accessories

- TTR-6300 main unit
- Test cables (2 groups: red and black, 3 leads each)
- USB cable
- Bluetooth mobile app support
- Battery charger
- User manual and warranty certificate
- Carrying case

## General Specifications

Part Numbers / Optional Accessories		
Code	Item	Part Number
TTR-6300	Transformer Ratio Test Set	986300

### Mass

1.5 kg (instrument), 1.7 kg (test cables)

### Dimension

Main unit: 229 x 166 x 74 mm

### Operating

-10°C to +40°C,  $\leq 70\%$  RH

### Storage

-20°C to +60°C,  $\leq 70\%$  RH

### Services

1-year warranty (subject to product registration with GPS Ltd)  
Please contact for more information.

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