

WRT-

# 5660



## Easily operated, highly accurate and interference resistant

Our new instrument for measuring DC resistance of large capacity transformers. During the testing process, the device is controlled by computer and automatically completes steady-state judgment, data acquisition, data processing and resistance measurement. Numerical values are displayed and printed. The instrument can be used for longitudinal testing of on-load regulators with disposable power supplies, thus saving test time. It also has a temperature rise test function for transformer manufacturers.

Measure various types and transformers quickly and accurately.

### Key Features

- Four-wire test
- Short circuit current output: 0.2 A, 0.5 A, 2 A, 5 A, 10 A, 20A (6 settings)
- Short circuit maximum current: DC 20A  $\pm$ 10%
- No-load maximum voltage: DC 27V  $\pm$  15 %
- Assisted de-magnetisation function
- Touch screen operation
- Temperature conversion function
- Automatic display of 3-phase uneven path
- Built-in thermal printer

### Application

- DC resistance of transformers
- Transformer winding resistance
- Grounding network connection continuity
- Wire resistance of cables
- Contact resistance of switches, connectors, relays, coils, motors, transformer winding resistances and metal riveting resistance,
- Metal components connection resistance test, low value resistance test, contact resistance test, etc.

www.gpslimited.com/5660  
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# Three Phase DC Resistance Tester

## Technical Specifications

WRT-5660 3-Phase DC Resistance Meter	
Resistance range	0.1uΩ – 5000Ω Accuracy: ±0.2%FS±5dgt Minimum resolution: 0.001mΩ
Measurement method	4-wire test
Output current display	0.01mA – 20.00A
Conversion resistance	Can be converted for winding material, measurement temperature
Three-phase unbalanced rate	Automatic display of three-phase winding unbalance rate
Tap position	Tap position can be set manually in the settings options
Short circuit current output	0.2 A, 0.5 A, 2 A, 5 A, 10 A, 20A (6 settings)
Short circuit maximum current	DC 20A ±10%
No-load maximum voltage	DC 27V ± 10 %
Rated measuring power	1200W
Overload protection	yes
Automatic discharge	Yes
Printer	Instrument panel is embedded with a printer. Press the print key to print the test results.
Data storage	500 sets
Automatic shutdown	optional; 5/10/15/20/25/30 minutes
Display	7-inch touchscreen full-colour LCD display
Backlight	Adjustable backlight brightness
Power source	AC 220V 10A (50Hz)

### Standard Accessories

Test cables: red 5m, blue 5m, yellow 5m, green 5m [2 of each]  
USB cable, Software CD, Power cable, Manual, Leads bag [1 of each]

### Electromagnetic Safety

IEC61010-4-3, radio frequency electromagnetic field ≤ 1V/m

### Safety Standards

IEC61010-1, IEC1010-2-31, IEC61557-1, 5, IEC60529 (IP54), pollution, etc. 2, CAT III 300V

### Power Consumption

Standby: ≤ 110W  
Measurement: ≤ 1500W

### Insulation Resistance

More than 10M (500V between the circuit and the shell)

### Pressure Resistance

AC 3700V/rms (between the circuit and the case)

## General Specifications

Part Numbers / Optional Accessories		
Code	Item	Part Number
WRT-5660	Three-phase DC Resistance Meter	566080

### Mass

6.2kg/13.6lbs approx.

### Dimension

Main unit: 400(L) × 300(W) × 210(H)mm

### Operating

Temp -10°C to 40°, humidity RH < 80%

### Storage

Temp -10°C to 60°, humidity RH < 70%

### Services

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

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