WR14: Battery-Operated, 15 Amp, 2 Channel Winding Resistance Meter with Demagnetization and Discharge

Features

Pure, filtered DC power source for the highest accuracy readings
Charges inductive loads up to 1,500 Henry
Battery operated
High power DC supply (15A / 30V)
2 independent measuring channels
Automatic measurements of resistance from 0.00μΩ . . . 100kΩ
Demagnetizing Circuit (Advanced design)
Microprocessor-based system with internal storage for over 10,000 test results
Temperature channels with automatic resistance correction
Panel-mounted Emergency Stop Switch
Fully automatic cooling curve analysis (option AHRT 01)
Fast discharge with discharge indicator – visible and audible indicator for discharge status
Simple to operate color LCD touch screen with back light
Standard USB 1.1 & RS-232 (serial) Interface
5-Year standard warranty

WR14

Accuracy

Current Range	Measuring Range	Accuracy	Resolution
10 – 15A	0.00 μΩ . . . 1 Ω	± 0.1% Rdg ± 0.1 μΩ	5 Digits or 0.05 μΩ
5 – 10A	0.0 μΩ . . . 3 Ω	± 0.1% Rdg ± 0.2 μΩ	5 Digits or 0.1 μΩ
1 – 5A	0.0000mΩ . . . 15 Ω	± 0.1% Rdg ± 0.5 μΩ	5 Digits or 0.5 μΩ
0.5 – 1A	0.000 mΩ . . . 30 Ω	± 0.1% Rdg ± 2 μΩ	5 Digits or 1 μΩ
0.1 – 0.5A	0.000 mΩ . . . 300 Ω	± 0.1% Rdg ± 5 μΩ	5 Digits or 2 μΩ
25m – 0.1A	0.00 mΩ . . . 1200 Ω	± 0.1% Rdg ± 20 μΩ	5 Digits or 10 μΩ
< 25 mA	1.2 kΩ . . . 10 kΩ	± 0.1% Rdg ± 100 mΩ	5 Digits or 200 mΩ
< 25 mA	10 kΩ . . . 100 kΩ	± 0.5% Rdg ± 10 Ω	4 Digits or 20 Ω

Specs

Size: **L:** 470 mm (18.5") **W:** 357 mm (14.1") **H:** 176 mm (6.9")
Input Power: 88 to 264 VAC, 47 . . . 63 Hz, auto ranging
Test Current: User Selectable: 25mA . . . 15A
Front Panel: Sealed, anodized
Memory Storage: Internally stores more than 10,000 test results
Resistance Range: 0.00 μΩ to 100 kΩ
Weight: 9.6 kg (21.1 lbs.)
Output Voltage: 0 to 30V DC
Panel Display: 5.7" Color LCD with back light and touch screen
Interface: 2 USB 1.1 (1 host, 1 device) and 9 Pin RS-232 serial
Battery Operation: 200 single measurements at 15A
Inductance Range: 0 to 1,500 Henry
Temperature: **Operating:** –10°C to 60°C (14°F to 140°F); **Storage:** –20°C to 70°C (-4°F to 158°F)

Standard Accessories Included

Current and Potential Lead Set – 10m (32 ft.)
Jumper Cable – 10m (32 ft.)
Power Cord – 6.09m (20 ft.)
Ground Lead – 10m (32 ft.)
Cable Bag with Shoulder Strap
External USB drive and touchscreen stylus
A-B USB Cable – 3.05m (10 ft.)
External Zippered Pouch
Paper Refill for Panel-mount Printer – 5 rolls
Instruction Manual
Certificate of Accuracy

Optional Items Available

2021N-26001: Temperature Probe – 10m (32 ft.)
2042N-11001: Heat-Run Curve Analysis Software (AHRT-01)
WR14 R: Rackmount Version
2043N-15001: Annual Warranty Extention

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Rackmount Version Available

For your convenience, Raytech offers a 4U rackmount version, the WR14 R.

All of the features and accuracy of the portable field unit are incorporated into the rackmount, except the internal printer. There are a total of four (4) USB interfaces to provide additional access to the instrument.

Specs

Size: **L:** 395 mm (15.6") **W:** 436 mm (17.2") **H:** 177 mm (7") Rack Unit: 4U Weight: 7.9 kg (17.4 lbs.)

Standard Accessories Included

The same accessories are included as the portable field version, except printer paper refill will not be included because the rackmount does not contain a printer.

Optional Items Available

The same optional items that are available to the field unit are also available to the rackmount unit.

Rear View

Raytech is a world leader in the design and manufacture of precision electronic measuring instruments and systems. The unique design approach of the engineering team at Raytech has resulted in the development of highly regarded measuring instruments, which have set new standards in the electrical testing industry.

Our exceptional reputation for support and service is unmatched.

Raytech products are designed for many years of trouble-free use, which is why we can offer a **standard 5-year warranty** – guaranteeing the highest quality instrumentation available.

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