

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
- Temperature: **Operating:** -10°C to 60°C (14°F to 140°F); **Storage:** -20°C to 70°C (-4°F to 158°F)
- 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

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 Extension

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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.

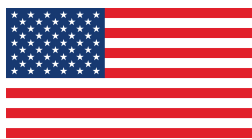


Rear View

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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