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 0.00 μΩ . . . 100 kΩ
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 backlight
Standard USB 2.0 & 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")
Weight: 9.6 kg (21.1 lbs.)
Input Power: 88 to 264 VAC, 47 . . . 63 Hz, auto ranging
Output Voltage: 0 to 30V DC
Test Current: User Selectable: 25mA . . . 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)

Resistance Range: 0.00 μΩ to 100 kΩ
Panel Display: 5.7" Color LCD with backlight and touch screen
Front Panel: Sealed, anodized
Interface: 2 USB 2.0 (1 host, 1 device) and 9 Pin RS-232 serial
Memory Storage: Internally stores more than 10,000 test results
Battery Duration: 200 single measurements at 15A

See Instruction Manual for more parameters. Specifications subject to improvement at any time.

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.)
A-B USB Cable – 3.05m (10 ft.)

External USB drive and touch screen Stylus
Cable Bag with Shoulder Strap
Paper Refill for Printer – 5 rolls
Instruction Manual
Certificate of Accuracy

Optional Items Available

2043N-05013: Current and Potential Leads - 20m (65 ft.)
2021N-26001: Temperature Probe – 10m (32 ft.)
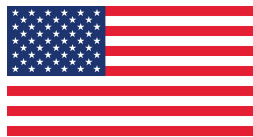2042N-11001: Heat-Run Curve Analysis Software (AHRT-01)

WR14 R: Rackmount Version
2043N-15001: Annual Warranty Extention

Raytech is a world leader in the design and production 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.

Raytech