



Two Channel 15A Winding Resistance Meter WR14 & WR14-R

SPECIFICATIONS:

MODEL:	WR14 — 2 Channel Winding Resistance Meter
SIZE:	L: 470mm (18.5") W: 357mm (14.1") H: 176mm (6.9")
WEIGHT:	9.4 kg (20.6 lbs.)
INPUT LINE POWER:	88-264 VAC 47, 63 Hz, auto ranging, charging and measuring
OUTPUT VOLTAGE:	0 to 30V DC
TEST CURRENT:	5mA ... 15 Ampere
PANEL DISPLAY:	Color LCD with back lighting and touch screen
FRONT PANEL:	Sealed anodized
INTERFACE:	9 Pin RS232 Serial / 2 USB 1.1 (1 host, 1 device)
MEMORY STORAGE:	Stores up to 10,000 complete test results
RESISTANCE RANGE:	0.05 $\mu\Omega$ to 100 k Ω
BATTERY OPERATION:	200 single measurements at 15A
OPERATING TEMPERATURE	-10° C to 60° C
STORAGE TEMPERATURE	-20° C to 70° C

Current Range	Measuring Range	Accuracy	Resolution
10 - 15A	0.0 $\mu\Omega$... 1 Ω	± 0.1 % Rdg ± 0.1 $\mu\Omega$	5 Digits or 0.05 $\mu\Omega$
5 - 10A	0.0 $\mu\Omega$... 3 Ω	± 0.1 % Rdg ± 0.2 $\mu\Omega$	5 Digits or 0.1 $\mu\Omega$
1 - 5A	0.0 $\mu\Omega$... 15 Ω	± 0.1 % Rdg ± 0.5 $\mu\Omega$	5 Digits or 0.5 $\mu\Omega$
0.5 - 1A	0.0 $\mu\Omega$... 30 Ω	± 0.1 % Rdg ± 2 $\mu\Omega$	5 Digits or 1 $\mu\Omega$
0.1 - 0.5A	0.0 $\mu\Omega$... 300 Ω	± 0.1 % Rdg ± 5 $\mu\Omega$	5 Digits or 2 $\mu\Omega$
25m - 0.1A	0.0 $\mu\Omega$... 1200 Ω	± 0.1 % Rdg ± 20 $\mu\Omega$	5 Digits or 10 $\mu\Omega$
< 25mA	1.2k Ω ... 10 k Ω	± 0.1 % Rdg ± 100 m Ω	5 Digits or 100 m Ω
< 25mA	10k Ω ... 100 k Ω	± 0.5 % Rdg ± 10 Ω	5 Digits or 10 Ω

FEATURES: STANDARD ITEMS

- Charges inductive loads up to 1500 Henry
- 2 independent measuring channels
- Heavy-duty protection circuitry
- Simple touch screen operation
- Data exchange with USB-Key
- 2 Temperature inputs
- High power DC Supply (15A/30V)
- DC Current adjustable for resistance values from 0.05 $\mu\Omega$ to 100 k Ω
- Fast Discharge unit
- Discharge Indicator – visible and audible indicator for discharge status
- Demagnetizing Circuit (world unique)
- Warning device output to show "transformer under test"
- Emergency stop push button immediately turns off power and starts discharging
- Internal Printer
- Battery operated
- Data Storage of up to 10,000 measurements
- Mounted in rugged case for field-testing.
- 5 Year standard warranty*



WR14



STANDARD ITEMS:

- Current and potential lead set 5 m
- Jumper cable
- Instruction manual
- Cable bag
- Printer Paper (5 rolls)

OPTIONAL ITEMS:

- External Temperature Probe (supports 2)
- Heat Run Curve Analysis Software
- 10m Cable Set
- WR14-R – 19' 4U Rackmount Version available
- Annual Warranty Extension

Specifications subject to improvement at any time