

Raytech U.S.A. Inc.
Industrial Test Equipment

model **WR50-1A**



Raytech Toll Free
1 888 4 THE SPY
www.raytechusa.com

Fully Automatic, 50 Amp Winding Resistance Meter
Seven Ranges for Precision and Accuracy
Standard Five Year Warranty

WR50-1A - 50 Amp Winding Resistance Meter

Specifications:

MODEL:	WR50-1A
SIZE:	L: 521 mm (20.5") W: 432 mm (17") H: 216 mm (8.5")
WEIGHT:	16.8 kg (37 lbs.)
INPUT POWER:	100 to 250 Vac (1.5kW max.), 50/60 Hz, auto ranging
OUTPUT VOLTAGE:	0 to 50V DC
TEST CURRENT:	User Selectable: 50, 40, 30, 25, 20, 10, 5A DC
FRONT PANEL:	Sealed, Anodized
MEMORY STORAGE:	Stores up to 2000 measurement results

Measurement Parameters:

Current Range	Measuring Range	Accuracy	Resolution
50 Amp	0.1 $\mu\Omega$... 0.6 Ω	$\pm 0.1\%$ Rdg ± 2 LSD	5 Digits or 0.1 $\mu\Omega$
40 Amp	0.1 $\mu\Omega$... 0.9 Ω	$\pm 0.1\%$ Rdg ± 2 LSD	5 Digits or 0.1 $\mu\Omega$
30 Amp	0.1 $\mu\Omega$... 1.6 Ω	$\pm 0.1\%$ Rdg ± 2 LSD	5 Digits or 0.1 $\mu\Omega$
25 Amp	0.1 $\mu\Omega$... 2 Ω	$\pm 0.1\%$ Rdg ± 2 LSD	5 Digits or 0.1 $\mu\Omega$
20 Amp	0.1 $\mu\Omega$... 2.5 Ω	$\pm 0.1\%$ Rdg ± 2 LSD	5 Digits or 0.1 $\mu\Omega$
10 Amp	0.1 $\mu\Omega$... 5 Ω	$\pm 0.1\%$ Rdg ± 2 LSD	5 Digits or 0.1 $\mu\Omega$
5 Amp	1 $\mu\Omega$... 100 Ω	$\pm 0.1\%$ Rdg ± 2 LSD	5 Digits or 1 $\mu\Omega$

RESISTANCE RANGE: 0.1 $\mu\Omega$ to 100 Ω

INDUCTANCE RANGE: 0 Henry to 1500 Henry

TEMPERATURE: Operating - 10° C to 60° C Storage - 20° C to 70° C

Features:

- Simple push and turn button operation from Micro Junior
- Charges inductive loads up to 1500 Henry
- Heavy duty protection circuitry
- Fully remote operation and control with an external PC
- 3 Temperature input channels
- High power DC Supply (50A/50V)
- DC Current adjustable for resistance from 0.1 $\mu\Omega$ to 100 Ω
- Data transfer to internal/external printer at selectable intervals
- Fastest discharge unit on the market
- Visible and audible discharge indicator for discharge status
- Emergency discharge activates from emergency stop button or system power failure
- Data storage of up to 2000 measurements
- Mounted in rugged case for field testing

Standard Accessories:

- Current and potential lead set 10 meters
- Connection cable to Micro Junior 2 connection cable to Micro Junior 2
- Safety ground lead
- Power supply cord
- Instruction manual

Optional Accessories:

- WRO 101 10m current and potential cable extension set
- AHRT 01 Heat-run test software
- TP 01 External temperature probe

Local Representative:

Specifications are subject to improvement at anytime.

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