

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:

Reptame Equipment Inc.
www.reptame.com
(905) 936-6979

Specifications are subject to improvement at anytime.

RAYTECH Toll Free: 1 888 4 THE SPY