

# WR50-1A

## SPECIFICATIONS:

MODEL:	WR50-1A – Single Channel Winding Resistance Meter
Size:	L: 20.5" (521mm) W: 17" (432mm) H: 8.5" (216mm)
WEIGHT:	37 lbs. (16.8 kg)
INPUT POWER:	100 to 250 VAC (1.5kW max.), 50/60 Hz, Autoranging
TEST VOLTAGE:	0 to 50V DC
TEST CURRENT:	User Selectable: 50, 40, 30, 25, 20, 10, 5 A DC
FRONT PANEL:	Sealed, Anodized
MEMORY STORAGE:	Stores up to 2,000 measurement results
RESISTANCE RANGE:	0.1 $\mu\Omega$ to 100 $\Omega$
INDUCTANCE RANGE:	0 Henry to 1500 Henry
TEMPERATURE:	Operating: -10° C to 60° C Storage: -20° C to 70° C

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

## 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  $\Omega$
- Data transfer to external (or Micro Junior 2) printer at selectable intervals
- Fastest discharge unit on the market
- Visible and audible 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
- 5 year standard warranty



## STANDARD ITEMS:

- 10 meter current leads (positive and negative)
- 10 meter potential leads (positive and negative)
- 10 meter safety ground
- 10 meter control cable for Micro Junior
- 7.5 meter power cord
- Cable bag
- Instruction manual
- Certificate of Accuracy

## OPTIONAL ITEMS:

- Temperature Probe (TP-01)
- 10 Meter Cable Extension (WRO-101)
- Heat-Run Software (AHRT-01)
- Annual Warranty Extension