

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

model **Micro Jr. 2**



Raytech USA
BASIC INSTRUCTIONS:
Use on a three-wire & 4-wire system (Do not use on a 2-wire system)
Connect the V & I Current leads.
Connect the V & P Potential leads.
Turn Power On.
Select Resistance Range with the turn knob.
Press the turn knob when Range is selected.
Select "Single, Cont, or Auto" to begin a test.
Single: Perform a single test. Automatic stop.
Cont: Continuous monitoring. Manual stop/average.
Auto: Sensor valid readings. Automatic storage.
TECHNICAL SUPPORT 888 484 2774

Raytech Toll Free
1 888 4 THE SPY

www.raytechusa.com

Fully Automatic, Precision Low Resistance Test Set

Over 2,000 Tests with 10A Output

Standard Five Year Warranty

Micro Jr. 2 - Precision Micro Ohm Meter

Specifications:

MODEL:	Micro Junior 2
SIZE:	L: 410 mm (16.1") W: 337 mm (13.3") H: 178 mm (7")
WEIGHT:	5.9 kg (13 lbs.)
INPUT POWER:	Lithium-Ion battery, 14.8V/6Ah
TEST CURRENT:	User Selectable: 10, 1, 0.1, 0.01, 0.001 A DC
PANEL DISPLAY:	LCD Graphic with backlight
FRONT PANEL:	Sealed, Anodized with a multi-actuation rotary knob
INTERFACE:	9 Pin RS232 serial
PRINTER:	Internal panel mount printer
MEMORY STORAGE:	Internally stores up to 2000 complete test results

Measurement Parameters:

Current Range	Measuring Range	Accuracy	Resolution
10 Amp *F/R	0.1 $\mu\Omega$... 40m Ω	$\pm 0.1 \mu\Omega \pm 0.1\%$ Rdg	5 Digits or 0.01 $\mu\Omega$
10 Amp	1 $\mu\Omega$... 40m Ω	$\pm 1 \mu\Omega \pm 0.1\%$ Rdg	5 Digits or 0.1 $\mu\Omega$
1 Amp *F/R	1 $\mu\Omega$... 1 Ω	$\pm 1 \mu\Omega \pm 0.1\%$ Rdg	5 Digits
1 Amp	10 $\mu\Omega$... 1 Ω	$\pm 1 \mu\Omega \pm 0.1\%$ Rdg	5 Digits
0.1 Amp	100 $\mu\Omega$... 10 Ω	$\pm 0.1 \mu\Omega \pm 0.1\%$ Rdg	5 Digits
10 mAmp	1 m Ω ... 400 Ω	$\pm 1 \mu\Omega \pm 0.1\%$ Rdg	5 Digits
1 mAmp	10 m Ω ... 40k Ω	$\pm 10 m\Omega \pm 0.1\%$ Rdg	5 Digits
1 mAmp	40k Ω ... 400k Ω	$\pm 10 m\Omega \pm 1\%$ Rdg	5 Digits

* F/R = automatic Forward / Reverse current measurements

RESISTANCE RANGE: 0.1 $\mu\Omega$ to 400 Ω

INDUCTANCE RANGE: 0 Henry to 1500 Henry

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

Features:

- Large LCD display with backlight
- Auto measure storage
- Built in panel-mount printer
- Optional external supply for Winding Resistance (WR 50-1A)
- Highest precision measurement available
- Fully automatic, microprocessor controlled
- Rechargeable Lithium-Ion battery
- Wide measuring range
- Measurements with forward & reverse current
- Automatic measurement detection mode
- Automatic measurement storage
- Self calibrating
- Continues measurement mode
- Waterproof case
- Extremely rugged (Can withstand a drop test of 1 meter)

Standard Accessories:

- Current and potential lead set 5 meters
- Battery
- Safety ground lead
- Instruction manual

Optional Accessories:

- WR50-1A Winding Resistance power supply (50A/50V)
- MJO 201 Kelvin probe set
- TP 02 External temperature probe

Local Representative:

Specifications are subject to improvement at anytime.

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