



Micro Junior 2
For very low
resistance
measurements



The Raytech digital Micro Ohm Meter, Micro Junior 2, was designed for maintaining a high degree of accuracy for the measurement of very low resistance. It is battery-operated with a lithium-ion battery that allows over 2000 test measurements at 10A output without recharging. The Micro Junior 2 is one of the most lightweight systems available that comes complete with its own rugged waterproof fieldcase.

Resistance range	0.00 $\mu\Omega$... 400 k Ω
Accuracy	$\pm 0.1\%$ Rdg
Resolution	5 Digits or 0.01 $\mu\Omega$
Current range	1mA ... 10A DC
Operating range	-10°C to 60°C
Weight	5.9 kg (13 lbs.)
Power	lithium-ion battery 16.4V / 6Ah



Micro Junior 2

Measurement Parameters

Current Range	Measuring Range	Accuracy	Resolution
10 A F/R*	0.00 $\mu\Omega$... 40 m Ω	$\pm 0.1\%$ Rdg ± 0.1 $\mu\Omega$	5 Digits or 0.01 $\mu\Omega$
10 A	0.0 $\mu\Omega$... 40 m Ω	$\pm 0.1\%$ Rdg ± 1 $\mu\Omega$	5 Digits or 0.1 $\mu\Omega$
1 A F/R*	0.0 $\mu\Omega$... 1 Ω	$\pm 0.1\%$ Rdg ± 1 $\mu\Omega$	5 Digits or 0.1 $\mu\Omega$
1 A	0.000 m Ω ... 1 Ω	$\pm 0.1\%$ Rdg ± 10 $\mu\Omega$	5 Digits or 0.001 m Ω
0.1 A	0.00 m Ω ... 10 Ω	$\pm 0.1\%$ Rdg ± 0.1 m Ω	5 Digits or 0.01 m Ω
10mA	0.0 m Ω ... 400 Ω	$\pm 0.1\%$ Rdg ± 1 m Ω	5 Digits or 0.1 m Ω
1 mA	0.0 Ω ... 40 k Ω	$\pm 0.1\%$ Rdg ± 0.1 Ω	5 Digits or 0.1 Ω
< 1 mA	40 k Ω ... 400 k Ω	$\pm 1\%$ Rdg	4 Digits

F/R* = automatic Forward / Reverse current measurements

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.)

Interface

Interface 9 Pin RS232 serial

Memory Storage

Internally stores up to 2000 test results

Panel Display

LCD graphic with back light

Front Panel

Sealed, Anodized

Accessories

- Current cables 2 x 3 meters
- Potential cables 2 x 3 meters
- Power cord charger
100 to 265 V AC
- Instruction manual
- Toolbox software for data exchange and analysis

Options

MJO 201

Kelvin probe set

TP X1

External temperature probe



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