



Micro Junior 2
For very low
resistance
measurements



The Raytech digital micro ohm meter, Micro Junior 2, was designed for high degree of accuracy for the measurement of very low resistance. It is battery operated with a lithium-ion battery that allows to do over 2000 test measurements at 10 A 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	1 mA ... 10 A DC
Operating range	-10°C to 60°C
Weight	5.9 kg (13 lbs.)
Power	lithium-ion battery 16.4V / 6Ah



Measurement Parameters

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

F/R* = automatic Forward / Reverse current measurements

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

Specifications

Model

Micro Junior 2

Size (field case)

L: 410 mm (16.1")

W: 337 mm (13.3")

H: 178 mm (7")

Weight

5.9 kg (13 lbs.)

Interfaces

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

Options

- MJO 201 Kelvin probe set
- TP X1 External temperature probe

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Specifications subject to improvement at any time.



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