



**Micro Junior 2**  
For very low  
resistance  
measurements



Raytech Digital Micro ohm meter, Micro Junior 2, is designed for a high degree of accuracy to measure very low resistances. It is battery operated with a lithium-ion battery that allows over 2000 test measurements with 10A output without recharging.

The Micro Junior 2 is a high precision, fully automatic, microprocessor-based system. This system is designed for highly accurate readings on-site with laboratory precision.

The Micro Junior 2 applies a preset current level, selected by the user. The results of the test are displayed within a few seconds automatically. The results are reported on the easy to read liquid crystal display and can be stored or printed out.

The Micro Junior 2 is one of the most lightweight systems available that comes complete with its own rugged waterproof field case.



<b>Temperature</b>		<b>Resistance range</b>	0.00 $\mu\Omega$ to 400 k $\Omega$
Operating	-10°C to 55°C	Accuracy	$\pm 0.1\%$ Rdg
Storage	-20°C to 70°C	Resolution	5 Digits or 0.01 $\mu\Omega$
Supply	External DC charger	Current range	1 mA...10 A DC

## Measurement Parameters

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

F/R\* = automatic Forward / Reverse current measurements

## Specifications

**Model**  
Micro Junior 2

**Size**  
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 90 to 264 V AC
- Instruction manual
- Toolbox software for data exchange and analysis
- 2 Paper rolls

## Options

**MJO 201**  
Kelvin probe set

**TP X1**  
External temperature probe



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