# Micro Junior 2: Fully Automatic, 10 Amp Battery-Operated Micro Ohm Meter

Pure, filtered DC power source for the highest accuracy readings Complete automatic calibration system and system diagnostics Automatic measurements of resistance from  $0.00\mu\Omega$  ...  $400k\Omega$ 

Microprocessor-based system with internal storage for over 2,000 test results

Single or continuous measurements with automatic data storage

Preset a number of tests, at various timed intervals, for automatic data storage

Automatic current reversal mode for highest accuracy

Cable length correction for Cable Manufacturer

Internal printer

Printing and storing of test results while the test system is measuring

Lithium-Ion Battery power source Standard RS-232 (serial) interface

Runs for more than 5 hours continuously at 10 amps

Single push button operation

Response time less than 2 seconds LCD display screen with back light 5-Year standard warranty



Micro Junior 2

#### Accuracy \_\_\_

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

<sup>\*</sup>F/R = automatic Forward / Reverse current measurements

# Specs \_

Size: L: 410 mm (16.1") W: 337 mm (13.3") H: 178 mm (7")

Power: Lithium-Ion battery, 16.4V / 6Ah Panel Display: LCD graphic with back light

Interface: 9 Pin RS-232 serial Resistance Range:  $0.00\mu\Omega$  to  $400k\Omega$  Weight: 5.9 kg (13 lbs.)

Test Current: User selectable: 10, 1, 0.1, 0.01, 0.001A DC

Front Panel: Sealed, anodized with a multi-actuation rotary knob

Memory Storage: Internally stores up to 2,000 test results

Temperature: **Operating:**  $-10^{\circ}$ C to  $60^{\circ}$ C ( $14^{\circ}$ F to  $140^{\circ}$ F); **Storage:**  $-20^{\circ}$ C to  $70^{\circ}$ C ( $-4^{\circ}$ F to  $158^{\circ}$ F) See Instruction Manual for more parameters. Specifications subject to improvements at any time.

# **Standard Accessories Included**

Current and Potential Lead Set, Positive and Negative – 5m (16 ft.)

Cable Bag with Shoulder Strap RS-232 Cable - 3m (10 ft.) Ground Lead – 5m (16 ft.)

Lithium-Ion Battery Charger with power cord Paper Refill for Printer, 5 rolls

Instruction Manual Certificate of Accuracy

#### Optional Items Available \_

2020N-26002: Temperature Probe — 10m (32 ft.) 2020N-33001: Kelvin Spike Probes – 4m (13 ft.) 2020N-15001: Annual Warranty Extension

Raytech is a world leader in the design and manufacture of precision electronic measuring instruments and systems. The unique design approach of the engineering team at Raytech has resulted in the development of highly regarded measuring instruments, which have set new standards in the electrical testing industry.

Our exceptional reputation for support and service is unmatched.

Raytech products are designed for many years of trouble-free use, which is why we can offer a **standard 5-year warranty** – guaranteeing the highest quality instrumentation available.



### Raytech USA

118 S. 2nd Street
Perkasie, PA 18944
Tel: +267 404 2676
Email: Welcome@RaytechUSA.com
www.RaytechUSA.com



## **Raytech GmbH**

Oberebenestrasse 11 5620 Bremgarten, Switzerland Tel: +41 56 648 6010 Email: Welcome@Raytech.ch www.Raytech.ch

