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

Features

Pure, filtered DC power source for the highest accuracy readings
Complete automatic calibration system and system diagnostics
Automatic measurements of resistance from 0.00 µΩ … 400 kΩ
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 backlight
5-Year standard warranty

Micro Junior 2

Accuracy

Current Range	Measuring Range	Accuracy	Resolution
10 A F/R*	0.00 µΩ … 40 mΩ	± 0.1% Rdg ± 0.01 µΩ	5 Digits or 0.01 µΩ
10 A	0.0 µΩ … 40 mΩ	± 0.1% Rdg ± 1 µΩ	5 Digits or 0.1 µΩ
1 A F/R*	0.0 µΩ … 1 Ω	± 0.1% Rdg ± 1 µΩ	5 Digits or 0.1 µΩ
1 A	0.000 mΩ … 1 Ω	± 0.1% Rdg ± 10 µΩ	5 Digits or 0.001 mΩ
0.1 A	0.00 mΩ … 10 Ω	± 0.1% Rdg ± 0.1 mΩ	5 Digits or 0.01 mΩ
10 mA	0.0 mΩ … 400 Ω	± 0.1% Rdg ± 1 mΩ	5 Digits or 0.1 mΩ
1 mA	0.0 Ω … 40 kΩ	± 0.1% Rdg ± 0.1 Ω	5 Digits or 0.1 Ω
1 mA	40 kΩ … 400 kΩ	± 0.1% Rdg	5 Digits

*F/R = automatic Forward / Reverse current measurements

Specs

Size: **L:** 410 mm (16.1") **W:** 337 mm (13.3") **H:** 178 mm (7")
Weight: 5.9 kg (13 lbs.)
Power: Lithium-Ion battery, 14.4V / 6.5 Ah
Panel Display: LCD graphic with backlight
Interface: 9 Pin RS-232 serial
Temperature: **Operating:** −10°C to 60°C (14°F to 140°F); **Storage:** −20°C to 70°C (-4°F to 158°F)

Resistance Range: 0.00µΩ to 400kΩ
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

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.)
Lithium-Ion Battery Charger with power cord
Ground Lead – 5m (16 ft.)
RS-232 Cable – 3m (10 ft.)

Cable Bag with Shoulder Strap
Paper Refill for Printer – 5 rolls
Instruction Manual
Certificate of Accuracy

Optional Items Available

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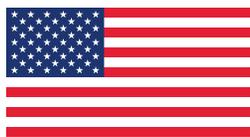2020N-33001: Kelvin Spike Probes – 4m (13 ft.)

2020N-33005: Kelvin Spike Probes – 5m (16 ft.)
2020N-15001: Annual Warranty Extension

Raytech is a world leader in the design and production 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.