MC2: Fully Automatic, 200 Amp Micro Ohm Meter

Features

Pure, filtered DC power source for the highest accuracy readings
Highest accuracy and precision of any high current test system
Complete, automatic calibration system and self-diagnostics
Automatic measurements of resistance from 0.00µΩ . . . 5Ω
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
Cable length correction for Cable Manufacturer
Internal printer
Printing and storing of test results while the test system is measuring
Standard centronics (parallel) interface & RS-232 (serial) interface
Automatic, high efficiency cooling system to dissipate internal heat
Automatic shut off for over-temperature conditions
Panel-mounted emergency stop switch
LCD display screen with back light
Wide input power source range
5-Year standard warranty

MC2

Accuracy

Current Range	Measuring Range	Accuracy	Resolution
200A	0.00 µΩ . . . 20 mΩ	± 0.1% Rdg ± 0.01 µΩ	5 Digits or 0.01 µΩ
100A	0.00 µΩ . . . 40 mΩ	± 0.1% Rdg ± 0.02 µΩ	5 Digits or 0.02 µΩ
50A	0.00 µΩ . . . 100 mΩ	± 0.1% Rdg ± 0.04 µΩ	5 Digits or 0.05 µΩ
20A	0.0 µΩ . . . 1.0 Ω	± 0.1% Rdg ± 0.1 µΩ	5 Digits or 0.1 µΩ
10A	0.0 µΩ . . . 5.0 Ω	± 0.1% Rdg ± 0.2 µΩ	5 Digits or 0.2 µΩ

Specs

Size: **L:** 521 mm (20.5") **W:** 432 mm (17") **H:** 216 mm (8.5")
Weight: 14.4 kg (31.5 lbs)
Input Power: 100 to 250 VAC, 50/60 Hz, auto ranging
Output Power: 1000 Watt
Test Current: User Selectable: 200, 100, 50, 20, 10A DC
Panel Display: LCD graphic with back light
Front Panel: Sealed, anodized with a multi-actuation rotary knob
Temperature: **Operating:** −10°C to 60°C (14°F to 140°F); **Storage:** −20°C to 70°C (-4°F to 158°F)
See Instruction Manual for more parameters. Specifications subject to improvement at any time.

Interface: 9 Pin RS-232 serial / 25 Pin Centronics parallel
Memory Storage: Internally stores up to 2,000 test results
Resistance Range: 0.00µΩ to 5Ω
Measuring duty cycle: 200A: 10 min. on, 2 min. off
100A and below: continuous

Standard Accessories Included

Current and Potential Lead Set, Positive and Negative – 5m (16 ft.)
Power Cord – 7.5m (25 ft.)
Ground Lead – 5m (16 ft.)
Cable Bag with Shoulder Strap
RS-232 Cable – 3m (10 ft.)

Paper Refill for Printer, 5 rolls
Spare Fuse Set (10A), Qty. 5
Instruction Manual
Certificate of Accuracy

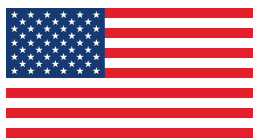### Optional Items Available

2021N-26001: Temperature Probe – 10m (32 ft.)
2021N-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.

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