Micro Centurion II

For very low resistance measurements

Raytech
SWITZERLAND

Ask for more.

Raytech Digital Micro ohm meter, Micro Centurion II, is designed for a high degree of accuracy to measure very low resistances. This technology is then packed into a portable test system to be used by apparatus manufacturers, rebuild shops, and electrical maintenance crews. This intelligent system has an easy-to-use operation screen, which allows a quick selection of the current level and resistance level to be measured.

The MC-II is a high precision, fully automatic, microprocessor-based system. This system is designed for highly accurate readings on-site with laboratory precision. This instrument measurement incorporates a high precision measurement circuit and a modular power source. Extensive filtering and high precision standards are used within the test system.

The MC-II applies a preset current level, selected by the user. The results of the test are displayed within a few seconds automatically. The results are then reported on the easy-to-read liquid crystal display and can be stored or printed out. The Micro Centurion II is one of the most lightweight systems available that comes complete with its rugged waterproof Field case.

Temperature			
Operating	*-10°C to 55°C*	*Resistance range*	*0.00 µΩ to 5 Ω*
Storage	*-20°C to 70°C*	*Accuracy*	*± 0.1% Rdg*
Abs. Input Voltage	*90 to 264 VAC, 47-63 Hz*	*Resolution*	*5 Digits or 0.01 µΩ*
		Current range	*10 A ... 200 A DC at 5 V*

Measurement Parameters

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

Accessories

- Current cables 2 x 5 meters
- Potential cables 2 x 5 meters
- Power cord
- Instruction manual
- 2 paper rolls
- Toolbox software for data exchange

Specifications

Model
Micro Centurion II

Size
L: 521 mm (20.5")
W: 432 mm (17")
H: 216 mm (8.5")

Weight
14.4 kg (31.5 lbs.)

Interfaces
Interface 9 Pin RS232 serial
25 Pin centronics parallel

Memory Storage
Internally stores up to 2000 test results

Panel Display
LCD graphic with back light

Front Panel
Sealed, Anodized

Options

MCO 101
200 A Kelvin clip set

TP 01
External temperature probe

Micro Centurion II

Raytech AG
Oberebenestrasse 11
CH-5620 Bremgarten
www.raytech.ch
Phone +41 56 648 60 10
Fax +41 56 648 60 11
welcome@raytech.ch