

Micro Centurion II
For very low
resistance
measurements



The Micro Centurion II is a high precision, fully automatic, microprocessor based micro ohm meter for measuring very low resistance. This system is designed for highly accurate readings on-site with laboratory precision. Extensive filtering and high precision standards are used within the test system. The Micro Centurion II applies a preset pure DC current, selected by the user up to 200 A.

Resistance range	0.00 $\mu\Omega$... 5 Ω
Accuracy	$\pm 0.1\%$ Rdg
Resolution	5 Digits or 0.01 $\mu\Omega$
Current range	10 A ... 200 A DC at 5 V
Operating range	-10°C to 60°C
Weight	14.4 kg (31.5 lbs.)
Input Power	100 to 250 VAC 50/60 Hz



Measurement Parameters

Current Range	Measuring Range	Accuracy	Resolution
200 A	0.00 $\mu\Omega$... 20 m Ω	$\pm 0.1\%$ Rdg ± 0.01 $\mu\Omega$	5 Digits or 0.01 $\mu\Omega$
100 A	0.00 $\mu\Omega$... 40 m Ω	$\pm 0.1\%$ Rdg ± 0.02 $\mu\Omega$	5 Digits or 0.02 $\mu\Omega$
50 A	0.00 $\mu\Omega$... 100 m Ω	$\pm 0.1\%$ Rdg ± 0.04 $\mu\Omega$	5 Digits or 0.05 $\mu\Omega$
20 A	0.0 $\mu\Omega$... 1.0 Ω	$\pm 0.1\%$ Rdg ± 0.1 $\mu\Omega$	5 Digits or 0.1 $\mu\Omega$
10 A	0.0 $\mu\Omega$... 5.0 Ω	$\pm 0.1\%$ Rdg ± 0.2 $\mu\Omega$	5 Digits or 0.2 $\mu\Omega$

Accessories

- Current cables 2 x 5 meters
- Potential cables 2 x 5 meters
- Power cord depending on country of distribution
- Instruction manual
- 2 paper rolls
- Toolbox software for data exchange

Specifications

Model

Micro Centurion II

Size (field case)

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



Raytech GmbH

Oberebenenstrasse 11

CH-5620 Bremgarten

www.raytech.ch

Phone +41 56 648 60 10

Fax +41 56 648 60 11

welcome@raytech.ch

Specifications are subject to change without notice.

