



## Winding OhmMeter RMO50M

- Lightweight - only 8kg
- Test current 5mA - 50ADC
- Measuring range 0,1 $\mu\Omega$  - 1000 $\Omega$
- Mechanical protection IP43
- Extremely quick measurement



### High DC current resistance meter for motors/generators

#### Description

The ohmmeter RMO50M is designed for resistance measurement of electrical motors and generators. RMO50M generates true, filtered DC current. The test result is displayed as  $R=U/I$ . The RMO50M instrument can store up to 500 measurements. All measurements are time and date stamped. Using RMOWin-M software a test can be performed from a PC, and the results can be obtained directly at a PC. Using RMOWin-M the result can be arranged as an Excel spreadsheet which can be later shown as a diagram and printed for a report. The RMO50M has very high ability to cancel electrostatic and electromagnetic interference in HV electric fields. It is achieved by very efficient filtration. The filtration is made utilizing proprietary hardware and software.

#### Typical application

Typical application of RMO50M is measuring the resistance of:

- ✓ Generators and electrical motors
- ✓ High-current busbar joints
- ✓ Cable splices

#### Standard accessories

- ✓ RMOWin-M PC software including RS232 cable
- ✓ Current cables 2x5m 10mm<sup>2</sup> with battery clips
- ✓ Sense cables 2x5m 2,5mm<sup>2</sup> with alligator clips
- ✓ Mains power cable
- ✓ Ground (PE) cable
- ✓ Transport case

#### Optional accessories

- ✓ Built-in thermal printer
- ✓ Test shunt 50A/100mV
- ✓ Current cables 2x15m 10mm<sup>2</sup> with battery clips
- ✓ Sense cables 2x15m 2,5mm<sup>2</sup> with alligator clips
- ✓ Cable bag

## Technical data

### 1 - Mains Power Supply

- Connection according to IEC/EN60320-1; UL498, CSA 22.2
- Voltage single phase 110V - 240VAC, +10% - -15%
- Frequency 50/60Hz

### 2 - Output data

- Test current 5mADC - 50ADC
- Measuring range / Resolution
  - 0,1 $\mu\Omega$  - 999,9 $\mu\Omega$  0,1 $\mu\Omega$
  - 1,000m $\Omega$  - 9,999m $\Omega$  1 $\mu\Omega$
  - 10,00m $\Omega$  - 99,99m $\Omega$  10 $\mu\Omega$
  - 100,0m $\Omega$  - 999,9m $\Omega$  0,1m $\Omega$
  - 1,000 $\Omega$  - 99,99 $\Omega$  10m $\Omega$
  - 100 $\Omega$  - 1000 $\Omega$  0,1 $\Omega$
- Typical accuracy  $\pm(0,2\% + 0,2 \text{ FS})$

### 3 – Environmental conditions

- Operating temperature  $-10^{\circ}\text{C} - +50^{\circ}\text{C} / 14^{\circ}\text{F} - +122^{\circ}\text{F}$
- Storage and transportation  $-25^{\circ}\text{C} - +70^{\circ}\text{C} / -13^{\circ}\text{F} - +158^{\circ}\text{F}$
- Humidity 5% - 95% relative humidity, non condensing

### 4 - Dimensions and Weight

- Dimensions 198 x 255 x 380mm  
7,8 x 10 x 15in  
(W x H x D) without handle
- Weight 8kg/17,6lb
- Mechanical protection IP43

### 5– Safety Standards

- European standards EN 61010-1
- International standards IEC 61010-1

### 6 – Electromagnetic Compatibility (EMC)

- CE conformity EMC standard 89/336/EEC
- Emission EN 50081-2, EN 61000-3-2/3
- Interference Immunity EN 50082-2

Specifications are subject to change without notice.



**IBEKO POWER AB**