

# MICRO-OHMMETER MR5-10BAT/IND

Measurements of low resistance/inductive Objects

High precision resistance meters

Micro-ohmmeters

## Features

- . High current up to 10 amps battery driven
- . Resolution 100 nΩ (0.1 μΩ) on lowest range
- . Stable and secure operation on transformer windings
- . Battery driven with build in charger (90..250 V, 48..62 Hz)
- . Easy connection with a PC using our XFER program
- . Compact, portable and rugged metallic case design
- . USB/RS232C Interface standard, cables included
- . Fast loading and reloading capability of inductive objects
- . Protected against transient/inductive overvoltage



Accurate low resistance measurements can be handled with this battery driven MICRO-OHMMETER MR5-10BAT/IND. Measuring objects are fuses, bus bars, heating elements, circuit breakers, switch gears, relays as well as small inductive loads like motors, transformers, chokes etc.. The measuring object is connected due to the Kelvin/Thompson method with full 4 wire terminal connection. Current cable resistances are eliminated in this way.

The MR5-10BAT/IND allows positive, negative and alternating (automatic switching between both directions with average value) current direction to match best to the measuring situation. Even on single direction thermoelectric compensation is possible. A special current selection is for inductive loads with increased measuring time.

Eight ranges are standard together with an automatic range selection. Temperature compensation with a PT100 probe with different coefficients of the material is a build-in feature.

A thermoelectric printer is optional.

## Specification

Object connection:	4 pole clamps / banana plug in
Selectable ranges:	500.0 μΩ, 5.000 mΩ...5000 Ω decadic
Total measuring range:	0.1 μΩ to 5000 Ω
Resolution:	0.1 μΩ on lowest range
Accuracy:	±(0.1% Rdg + 0.1% FS)
Current Range :	Selectable to 1 mA ..10 A range dep.
Current Mode :	Selectable to pos., neg., alt., inductive
Burden voltage:	5 V Measurement, 30 V ind.loading
LCD-Display:	Alpha-numeric
Data storage:	up to 1,000 values
Temperature:	-10..50°C working, -20..65°C storage
Rel.Humidity:	max. 90 % not condensing
Supplies:	Internal battery (sealed acid)
Power supply (Mains):	90...250 V 48..62 Hz
Interface:	USB, RS232C, Thermo-Printer (opt.)
Size and weight:	W410xD330xH180 mm, approx. 8 kg
EMC and Safety:	EN55022/EN61000-3-2,-3/EN60950-1



## Questions?

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Here you will get technical assistance as well as complete information regarding features, prices, shipment and reselling.

www.ohmmeter.de

Made in Germany

**SCHUETZ**  
MESSTECHNIK

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