MICRO-OHMMETER MR 8050
for highly inductive Test Objects up to 800 MVA

With the MR 8050 resistances highly inductive windings of transformers, motors and reactors can be measured. (range 100 µΩ with 0.01 µΩ resolution up to 6 kΩ).

The performance of the test objects can be up to 800 MVA or even more.

The magnetic loading of a transformer is performed quickly using a high loading voltage (60V). This is important for time critical measurements (cooling curves).

The unloading of the transformers core is very fast, very safe, as the energy is total destroyed in the MR 8050.

The temperature of the test object can be preset or measured using a PT100 probe. The resistance is calculated for 20°C using the temperature coefficient for copper or aluminium.

Heat-loss measurements with preset time intervals are possible. The resistance at t=0 (disconnection of load) is shown as result of the internal regression algorithm.

Two windings (mostly HV and LV) can be measured simultaneously in DUAL measuring method.

The MR 8050 also features automatic tap-changer control for measuring different taps without interrupting the measuring current.

Features
- 2 channels for DUAL measurements
- Measuring time very short due very fast uploading
- Discharge time typ. 1/10 of uploading time
- Heat-loss measurements with regression algorithm
- LCD-Display with 240 x 128 pixels with backlight
- USB standard and RS232C 9600 baud
- PT100 connector for PT100 temperature probe
- Tap changer connector for automatic tap control
- Warning system connector for separate warning light
- Internal test storage for up to 1000 measurements
- Inputs full protected against static and transient voltages
- Wide current ranges from 50mA to 60A

Questions?
+49 (0)3328 / 3179 - 0 (phone)
+49 (0)3328 / 3179 - 10 (fax)

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

sales@schuetz-messtechnik.com
www.ohmmeter.de

SCHUETZ MESSTECHNIK GMBH, Rheinstrasse 7a, D-14513 Teltow
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Technical Data
- Object connection: 2 current outputs, 4 potential inputs (2 channels)
- Resistance auto range: 100µΩ up to 6000Ω (autorange)
- Max. Current selectable: 50mA,100mA,...,10A,20A,...,60A;
  actual value depends on total resistance
- Resolution: 0.01µΩ e.g. 123.71µΩ
- Max. Measuring Error: ± 0.1% RDG. ± 0.05 % F.S.
- Max. output voltage / current: 60V pure DC / 60A pure DC
- Total output power: max.450VA @ 90...264V mains
- Max. capacity: 800 MVA transformers
- Interface: USB and RS232C 9600 baud (auto switch)
- Built-in thermal printer: Paper 58mm width, easy handling
- Environment: -10° to +50°C working, -25° to +70°C storage
- Rel.Humidity: max. 95 % not condensing
- Power supply (Mains): 90...264V, 6.5A PFC
- Housing: ABS rugged case, water proof
- Size and weight: 490x400x190mm approx. 15 kg
- Safety and EMC: CE,IEC-1010-1,
  EN55011B,EN61000-3-2.-3,
  ENV50204

Made in Germany