

METRAHIT | **Coil**
TRMS INSULATION | MULTIMETER



Electric Motor Tester @ Digital Multimeter

Interturn Short-circuit Detection and Insulation Test

4¾ place multimeter, insulation and motor coil tester for service applications for measuring and testing industrial trucks and other applications which are powered by polyphase motors

GOSSEN METRAWATT's new METRAHIT | COIL unites all important measuring and test instruments for electric drives into a single handheld device. The special multimeter includes a universal digital multimeter, as well as an insulation measuring instrument and a motor coil tester – an entirely unique combination. Consequently, the METRAHIT | COIL is well equipped for universal electrotechnical use in the fields of service, diagnostics and electrical safety, in particular with regard to electric motors.

METRAHIT | COIL

Article no. M246C

METRAHIT | COIL Features:

■ METRAHIT COIL & COIL TEST ADAPTER

Interturn short-circuit detection by means of comparative measurements at the motor coils: asymmetry in case of interturn short-circuit

■ Insulation resistance measurement up to 3.1 G Ω

With detection of interference voltage, test voltages: 50 V, 100 V, 250 V, 500 V, 1000 V

■ 3000 / 30,000 places and basic accuracy of 0.15%

Illuminated LCD with analog and digital measured value display including units of measure / special functions

■ TRMS AC and AC+DC

Waveform-dependent measurement of RMS values up to 10 KHz

■ Multimeter functions: VAC, VDC, VAC+DC, AAC, ADC, AAC+DC, ACLIP, Ω , diode / continuity, F, %, Hz, °C/°F (TC, RTD)

■ Auto-ranging – automatic adjustment of the measuring range for optimized resolution

■ 1 kHz low-pass filter can be activated for filtering voltage peaks

■ Data memory for up to 15,000 measured values with date and time

Patented, automatic storage of measured values after settling in

METRAHIT STARLINE Series Features:

■ Measuring category per IEC 61010-1: CAT III 600V and CAT II 1000V

Protection against transient overvoltages up to 8 kV

■ Automatic blocking sockets™ ("ABS"):

reduces short-circuits, failures, operating costs etc.

■ IP 54 housing, rubber holster

Protected against impacts and dropping, steady stance even when subjected to vibration

■ Data logging, data processing and remote control of the multimeter via PC,

via IR interface adapter ¹⁾ with METRAWin 10 software ¹⁾

■ DAkkS calibration certificate, ISO 9001, 3-year guarantee



Included with the METRAHIT | COIL (M246C):

- METRAHIT COIL multimeter
- COIL test adapter for interturn short-circuit test
- 1 pair of safety measurement cables (KS17-2 cable set)
- 1.5 V batteries, type AA
- Condensed operating instructions, English/German
- CD-ROM with operating instructions in English and German, as well as other available languages
- DAkkS calibration certificate
- Rubber holster

Optional accessories:

- DC/AC and AC currents sensors, as well as AC current transformers
- Bidirectional interface adapter, IR-USB
- METRAWin®10/METRAHit® software
- PT100/PT1000 temperature sensors
- Power pack
- Carrying pouches and hard cases

¹⁾ Optional accessories

More information available at:
www.gossenmetrawatt.com

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