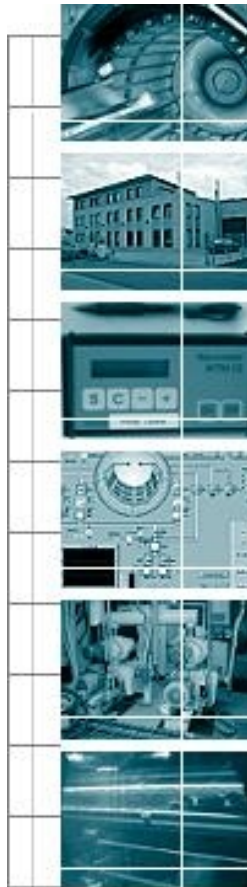


- Optical Coating
- Software development
- Special plants
- Retrofit
- Maintenance of plants



The company HILBERG & PARTNER is a successful specialist in the field of vacuum- and plant technology as well as the planning, constructing and manufacturing of vacuum- technical plants of various ranges of application. Extensive consulting and first class services are guaranteed.

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Nanometer MTM 02

Thin-Film Measuring Instrument for the Measurement of Conductive Layers



Features

- measuring method by the eddy current principle
- direct indication of the resistance in ohm/sqr.
- measuring sensor with two pivoted axes
- best possible adaption to the measuring object
- coupling of object and sensor by a magnetic field
- object not stressed by mechanical-electrical contact

Applications

- nondestructive measurements
 - measuring of conductive thin layers
 - measurements of plane layers on non-conductive materials
 - measuring of metallized foils, papers, glass, moulded parts etc.
 - measuring range from 0.5 to 50 ohm/sqr.
- (other measuring ranges and optical measuring systems on request)

Technical Data

Measuring range

0.5 ... 50 ohm/sqr. ⁽¹⁾

Resolution

1 % at 1 ohm/sqr.

2 % at 10 ohm/sqr.

5 % at 50 ohm/sqr.

Power supply

external (with Power supply unit):

12 VDC, power consumption 40 mA ⁽²⁾

9 VDC / 15 mA

Internal (with battery): 9 VDC ⁽³⁾

Dimensions:

Length: 150 mm

Width: 85 mm

Height: 35 mm

Weight: approx. 350 gram

⁽¹⁾: Indication limitation at values < 0.37 ohm/sqr. and 53 ohm/sqr.

⁽²⁾: For the power supply a Constant Voltage Unit in the range from 12 to 14 VDC is necessary. For saving power during the operation with battery, the lighting of the LCD (power consumption approx. 25 mA) is switched on at a distribution voltage from 11.5 V only.

⁽³⁾: The battery (recommended 9 V, type "Alkaline" for a working life of approx. 40 hours) is accessible after removal of the right case cover.