

WATERPROOF PRECISE COATING THICKNESS GAUGE MG-405

Designed for precise measurements of varnish coating thickness, plastics - isolating layers or galvanic layers on steel, aluminium, brass or copper.

It may also be used for precise car body controlling, determining the thickness of the varnish (lacquer) and finding the repaired places.

Characteristic features:

- The meter is equipped with a large, easy-to-read backlight LCD with brightness control.
- Two ways of measurement:
 1. Non-magnetic coating on magnetic surface
 2. Isolating coating on conducting surface.
- One probe enables measurements on various surfaces.
- Automatic detection of the surface type.
- In case of varnish (paint) measurement on galvanised surface, there is a possibility of measurement of varnish coating thickness together with the zinc coating thickness or only of the varnish coating, thanks this it is possible to calculate the zinc coating thickness.
- The result of the measurement is displayed in μm or mils (1/1000 inch).
- "HOLD" function to freeze the result on the display.
- Signalisation of the result stabilisation with the "READY" symbol and a sound.
- Possibility of sending a calibration report to the PC - up to 10 last calibrations.
- High accuracy is ensured by precise calibration and storing of the probe characteristics in the product's memory.
- In case of unusual thickness of the surface 3 point calibration on freely chosen thickness samples is possible.
- 3 characteristics of calibration can be stored in the meter's memory.
- There is a possibility to set a maximal and minimal value, exceeding of them is signalised on the display.
- Maximal, minimal and average values of measurements can be read from the stored results.
- Minimal diameter of a pipe with a measured varnish: 2,5 cm, after special preparation of the sensor.
- Waterproof housing IP-66
- Built in real clock and date function.
- Internal memory up to 4000 results with time and date.
- Possibility of connecting with a PC by micro USB connector.
- Powered by rechargeable batteries or power adapter with USB - micro USB cable.
- 24 months warranty.



Technical Data

Range	Resolution	Accuracy (± 1 digit)	Weight	Power	Dimensions (mm)
0 ÷ 1999 μm 0 ÷ 80 mils	0.1/1 μm 0.01 / 0.1 mils	Ferromagnetic basis $\pm 1\% \pm 1 \mu\text{m}$ $\pm 1\% \pm 0.03 \text{ mils}$ Non ferromagnetic basis $\pm 1\% \pm 2 \mu\text{m}$ $\pm 1\% \pm 0.06 \text{ mils}$	330 g	2x 1.5 V rechargeable batteries 5 V power adapter	L = 149 W = 82 H = 22