

# COATING THICKNESS GAUGE

LM-TC-DUAL



- » **Swivelling probe**
- » **Simple measurements in hard-to-reach places**
- » **for FE / nFE metals**
- » **Wireless interface for Windows, iOS and Android**
- » **OLED display**
- » **IP64 housing**

The coating thickness gauge has a globally unique measuring probe that can be swiveled through 90°, allowing you to always carry out precise coating thickness measurements. The coating thickness gauge with the compact, lightweight devices is barely larger than a measuring probe and is therefore ideal for on-site applications in hard-to-reach places. The handy metal housing is splash-proof to IP 64 for interference-free measurements in harsh environments. A coating thickness tester with flowing water protection is also available as an option. For a long service life with frequent measurements on rough surfaces, the measuring probe has a wear-resistant ruby probe pole. With a single button and the self-explanatory, multilingual menu navigation, the coating thickness gauge is very easy to operate.

A coating thickness gauge is usually used in the quality assurance of coating processes. For example, to determine the paint thickness of a coating, when testing vehicles or steel structures or in fire protection (determining the coating thickness of steel doors). However, it is not only a coating thickness gauge, but can also be used to reliably measure rubber coatings, anodizing and galvanic coatings.

The coating thickness gauge uses a combined probe to measure insulating layers of paint, varnish, plastic, rubber, ceramic and galvanic coatings (excluding nickel) using the magnetic induction measuring method. The device is used on iron and steel substrates.

## Specification

### Layer thickness

Material	Fe
Measurement range up to	2 ... 5000 µm
Resolution	0,1 µm
Accuracy	2 ... 100 µm ± 1 µm 100 ... 1000 µm: ± 1% 1000 ... 2000 µm: ± 3% 2000 ... 5000 µm: ± 5%

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### Sensor

Designation	TOP CHECK Dual
Measurement range up to	2 ... 5000 µm
Measurable materials	Measurement of paint, varnish, plastic and galvanic coatings on steel (ISO 2178) and insulating coatings on non-ferrous metals (ISO 2360)
Min. measuring surface	Ø 8 mm
Min. layer thickness	0 µm
Min. radius of curvature convex	6 millimetres
Min. radius of curvature concave	38 mm
Additional description	Sensor can be swivelled by 90 Automatic detection of the base material

### General technical data

Measuring functions	Quantity, MAX, MIN, Average value, Standard deviation
Units	µm, mils
Display type	OLED
Storage capacity	4000 Values
Memory capacity (additional information)	flexibly divisible
Interface	Wireless
Operating time	50 h
Calibration	300 µm
Menu language	German, English (GB), English, French, Italian, Spanish, Hungarian, Polish
Protection class (device)	IP64
Power supply	1x 1.5V AA Cute
(Rechargeable) battery	1 x 1,5 V AA battery , Alkali-manganese
Capacity	1200 mAh
Dimensions ( L x W x D )	95 x 95 x 28 mm
Weight	76 g