COATING THICKNESS GAUGE

LM-TC-F1000

- **Spring-loaded measuring probe**
- **Simple measurements on uneven or complex surfaces**
- **for FE metals**
- **Wireless interface for Windows, iOS and Android**
- **OLED display**
- **IP64 housing**

The coating thickness gauge works with a measuring probe that only requires a small contact surface and low contact pressure. The compact device is barely larger than a measuring probe and is particularly suitable for measuring thin layers on uneven or complex surfaces, such as tin cans. The swiveling probe enables simple measurements even in hard-to-reach places. The handy metal housing is splash-proof to IP64 for interference-free measurements in harsh environments. The device is also optionally available with flowing water protection. For a long service life with frequent use on rough surfaces, the measuring probe has a wear-resistant ruby probe pole.

Thanks to the one-button operation and intuitive, multilingual menu navigation, the coating thickness gauge is particularly user-friendly. A coating thickness gauge is mainly used in the quality assurance of coating processes - for example to determine the paint thickness on vehicles, steel structures or fire protection components such as steel doors. In addition to paintwork, rubber coatings, anodized and galvanic coatings can also be reliably measured.

The device is specially designed for iron and steel substrates. It works with a magnetic-inductive probe and reliably measures layers of paint, varnish, plastic, rubber, ceramic, galvanization and galvanic coatings (except nickel) in accordance with ISO 2178.

Specification

Layer thickness	
Material	Fe
Measurement range up to	2 ... 1000 µm
Resolution	0,1 µm
Accuracy	< 100 µm: ± 1 µm; > 100 µm: ± 1%.
Sensor	
Designation	TOP CHECK Ferro
Measurement range up to	2 ... 1000 µm
Measurable materials	Measurement of paint, varnish, plastic and galvanic coatings on steel (ISO 2178)
Min. measuring surface	2 mm dia
Min. layer thickness	0 µm
Min. radius of curvature convex	1 mm
Min. radius of curvature concave	6 millimetres
Additional description	Probes, spring-loaded

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