

COATING THICKNESS MEASURING TOP-CHECK



TOP-CHECK

Coating thickness meters

With the integrated, world-wide unique 90° swivel-mounted probe of the **List-Magnetik TOP-CHECK** coating thickness meters, you always carry out precise measurements. The compact, lightweight devices are barely larger than a probe and are therefore ideal for on-site applications in areas that are difficult to access. For interference-free measurements in harsh environments, the handy metal housing is splash-proof, in accordance with IP 64. Optionally, we also offer coating thickness tester equipment with flow-water protection. The measuring probe has a wear-resistant ruby probe pole for a long service life with frequent measurement on rough surfaces.

The coating thickness gauges are very easy to use, with the press of a single button, and the self-explanatory multilingual menu.

TOP-CHECK Dual has a combined probe that measures insulating layers of paint, varnish, plastic, rubber, ceramics and galvanic coatings (except nickel) in a magnet-inductive measuring method. The device is used on iron and steel subsoil. It is also suitable for measuring insulating layers, using the eddy current method, on non-ferrous metals such as aluminum, brass, copper, bronze and non-magnetic stainless steels, according to ISO 2178 and ISO 2360.

TOP-CHECK Ferro is ideal for iron and steel substrates. The device measures layers of lacquer, paint, plastic, rubber, ceramic, zinc and galvanic coatings (except nickel) according to ISO 2178.



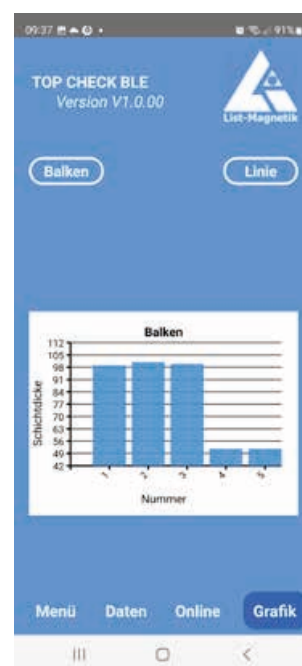
To further process your measurement data, you can couple your TOP-CHECK with mobile Android and iOS devices. Or you can communicate with a Windows PC. Bluetooth Low Energy (BLE) technology makes this possible. With the **Lima Connect App** mobile device app, you can manage projects and assign measurement points on a photo. The measurement results can be statistically evaluated and graphically displayed. The app for Android, iOS and Windows is free.

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The **List-Magnetik TOP-CHECK Ferro-1000** coating thickness gauges work with a precise springy sensing probe that requires little contact surface and low pressure. The compact, lightweight devices are barely larger than a measuring probe. The probe requires only a small contact area for its precise measurement. Especially for thin layers on uneven or complex surfaces, it is advantageous. **TOP-CHECK Ferro-1000** measures on iron and steel substrate according to ISO 2178.



▲ Lima Connect App records the measurement

Performance table and technical Data

TOP-CHECK

TOP-CHECK Dual	
Application:	Measurement of paint, lacquer, plastic and galvanic coatings on steel (ISO 2178) / insulating coatings on non-ferrous metals (ISO 2360; only with TOP-CHECK Dual/FN), Automatic detection of base material
Measuring probe:	swivels by 90°
Measuring range:	on steel and iron 0-5000 µm, on NFE metals 0-2000 µm
Smallest measuring area:	Ø 8 mm
Minimum radius of curvature:	concave 38 mm, convex 6 mm
Calibration value:	300 µm
Accuracy:	below 100 µm: ± 1 µm, 100-1000 µm: ± 1 %, 1000-2000 µm: ± 3 %, > 2000 µm: ± 5 %
Resolution:	1-100 µm: 0.1 µm, 100-1000 µm: 1 µm, > 1000 µm: 10 µm
Measuring units:	µm and mils
Ambient temperature:	0 - 50° C
Display:	illuminated high-contrast graphic OLED display
Menu navigation:	English, German, French, Italian, Spanish, Hungarian, Polish, Dutch
Data logger:	4000 measured values flexibly divisible
Statistics:	count / maximum / minimum / average / standard deviation
Interface:	Bluetooth Low Energy interface for communication with Android, iOS and Windows
App for Android, iOS, Windows:	free of charge via Google Play Store, Apple App Store, List-Magnetik website
Power supply:	1x 1.5 V AA Mignon
Operating time:	approx. 50 hours
Dimensions:	Ø 28 x 95 mm
Weight:	76 g (with battery)

TOP-CHECK Ferro	
Like TOP-CHECK Dual, but without measurement on non-ferrous metals	
Application:	Measurement of paint, lacquer, plastic and galvanic coatings on steel
Measuring range:	0-5000 µm
Smallest measuring area:	Ø 4 mm
Minimum radius of curvature:	concave 38 mm, convex 4 mm

TOP-CHECK Ferro-1000	
Like TOP-CHECK Ferro, but optimized for small measuring area	
Measuring probe:	sensing device, springy
Measuring range:	on steel and iron 0-1000 µm
Smallest measuring area:	Ø 2 mm
Smallest curvature radius:	concave 6 mm, convex 1 mm