

COATING THICKNESS MEASURING TOP-CHECK



TOP-CHECK

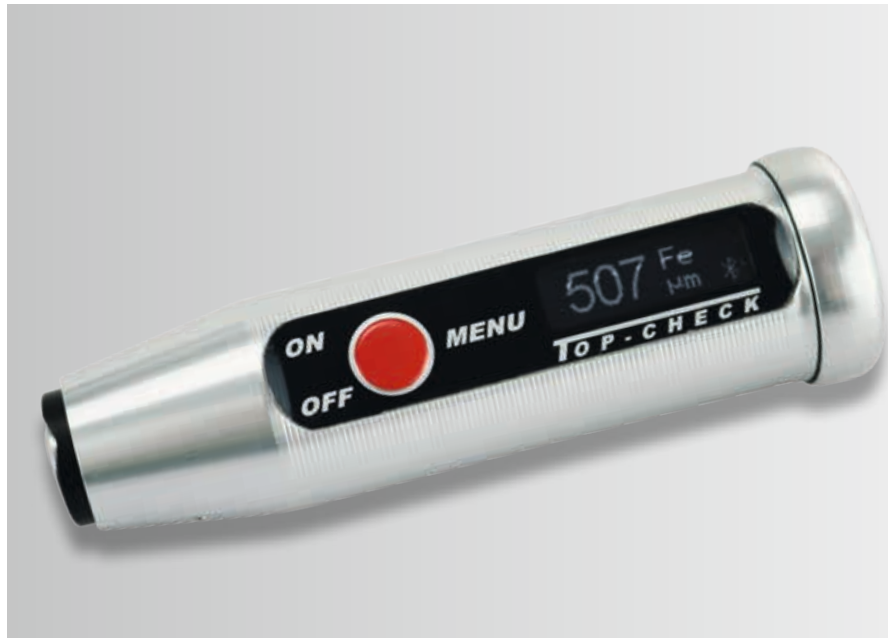
Coating thickness meters

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 FN** is the device version without data logger and Bluetooth interface.

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. **TOP-CHECK FE** is the device version without data logger and Bluetooth interface.



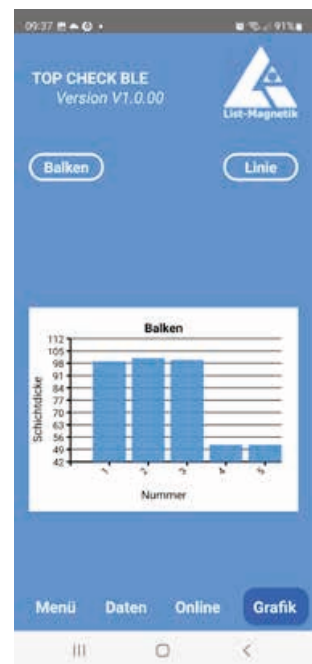
To further process your measurement data, you can couple your TOP-CHECK with mobile Android and iOS devices. Or you can communicate with a Windows PC. Bluetooth Low Energy (BLE) technology makes this possible. With the **TOP-CHECK BLE App** mobile device app, you can manage projects and assign measurement 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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Coating thickness meters



The **List-Magnetik TOP-CHECK Ferro-1000 / FE-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. **TOP-CHECK FE-1000** is the instrument version without data logger and Bluetooth interface.



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
Multilingual menu navigation:	German, English, for TOP-CHECK Dual/Ferro further language packages possible
Data logger:	4000 measured values flexibly divisible (TOP-CHECK Dual/Ferro only)
Statistics:	count / maximum / minimum / average / standard deviation (TOP-CHECK Dual/Ferro only)
Interface:	Bluetooth Low Energy interface for communication with Android, iOS and Windows (TOP-CHECK Dual/Ferro only)
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

TOP-CHECK FN	
Low-cost model, measurement performance like TOP-CHECK Dual, but without additional language packages, without data logger, without Bluetooth Low Energy interface, without App	

TOP-CHECK FE	
Low-cost model, measurement performance like TOP-CHECK Ferro, but without additional language packages, without data logger, without Bluetooth Low Energy interface, without App	

TOP-CHECK FE-1000	
Low-cost model, measurement performance like TOP-CHECK Ferro-1000, but without additional language packages, without data logger, without Bluetooth Low Energy interface, without App	



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