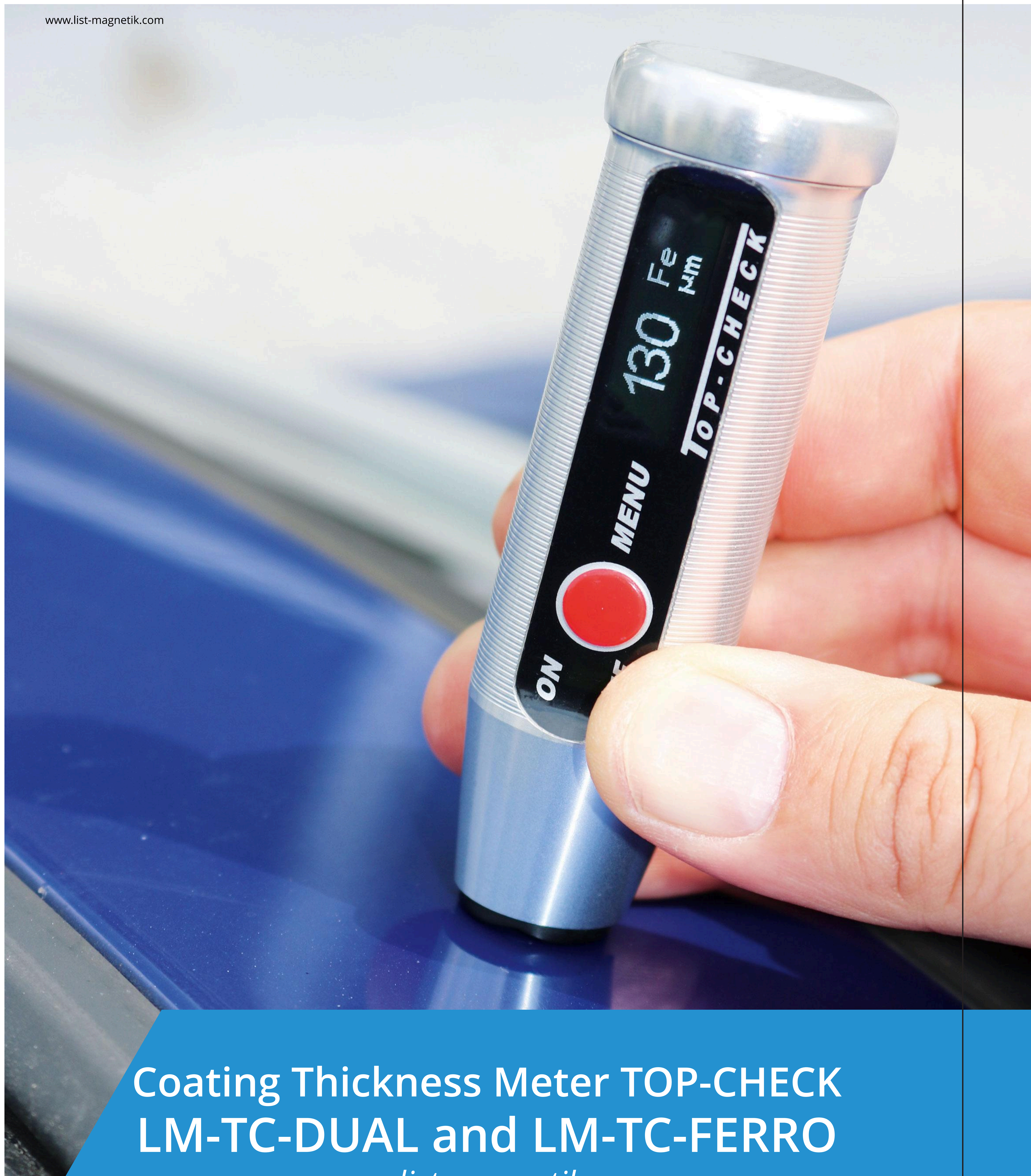


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## Coating Thickness Meter TOP-CHECK LM-TC-DUAL and LM-TC-FERRO

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With the integrated, unique 90° pivotable probe of the **TOP-CHECK coating thickness gauges LM-TC-DUAL and LM-TC-FERRO from List-Magnetik**, you can always make precise measurements. The compact, lightweight gages are barely larger than a probe, making them ideal for on-site applications in hard-to-reach locations. For trouble-free measurements in harsh environments, the handy metal housing is splash-proof to IP 64. Optionally, a coating thickness gage is available with flow protection. A wear-resistant ruby protects the probe for long life during frequent measurements on rough surfaces.

**LM-TC-DUAL** uses a combined probe to measure insulating layers of paint, varnish, plastic, rubber, ceramics, and galvanic coatings (except nickel) using the magnetic induction method. The instrument is used on iron and steel substrates. It is also suitable for measuring insulating coatings (paint, plastic, etc.) using the eddy current method on non-ferrous metals such as aluminum, brass, copper, bronze, and non-magnetic stainless steels in accordance with ISO 2178 and ISO 2360.

**LM-TC-FERRO** can be used on iron and steel substrates. It uses a magneto-inductive probe to measure layers of paint, varnish, plastic, rubber, ceramics, galvanized and electroplated coatings (except nickel) in accordance with ISO 2178.



### Measurement data on PC and mobile device via wireless interface

To further process your measurement data, you can connect your TOP-CHECK to mobile Android and iOS devices. Or you can communicate with a Windows PC. This is made possible by wireless technology. With the **Lima Connect App**, you can manage projects and assign measuring points on a photo. Measurement results can be statistically evaluated and graphically displayed. The app is free for Android, iOS and Windows.

### Coating Thickness Meter LM-TC-DUAL / Model TOP-CHECK Dual

- Application: Measurement of paint, lacquer, plastic and galvanic coatings on steel (ISO 2178) / insulating coatings on non-ferrous metals (ISO 2360), Automatic detection of base material
  - Measuring probe: pivotable by 90°
  - Measuring range: on steel and iron 2-5000 µm, on NFE metals 2-2000 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: wireless 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)
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### Coating Thickness Meter LM-TC-FERRO / Model TOP-CHECK Ferro

- like LM-TC-DUAL / TOP-CHECK Dual, but without measurement on non-ferrous metals
  - Application: Measurement of paint, lacquer, plastic and galvanic coatings on steel
  - Measuring range: 2-5000 µm
  - Smallest measuring area: Ø 4 mm
  - Minimum radius of curvature: concave 38 mm, convex 4 mm
-

The **LM-TC-F1000 / TOP-CHECK Ferro-1000** coating thickness gauges from List-Magnetik work with a precise springy sensing probe that requires little contact area and low contact pressure.

The compact, lightweight gages are barely larger than a probe. The probe requires only a small contact area for accurate measurement. This is especially advantageous for thin films on uneven or complex surfaces.

## Coating Thickness Meter LM-TC-F1000 / TOP-CHECK Ferro-1000

- Application: Measurement of paint, lacquer, plastic and galvanic coatings on steel
- Measuring range: 2-1000  $\mu\text{m}$
- Smallest measuring area:  $\varnothing$  2 mm
- Minimum radius of curvature: concave 6 mm, convex 1 mm



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