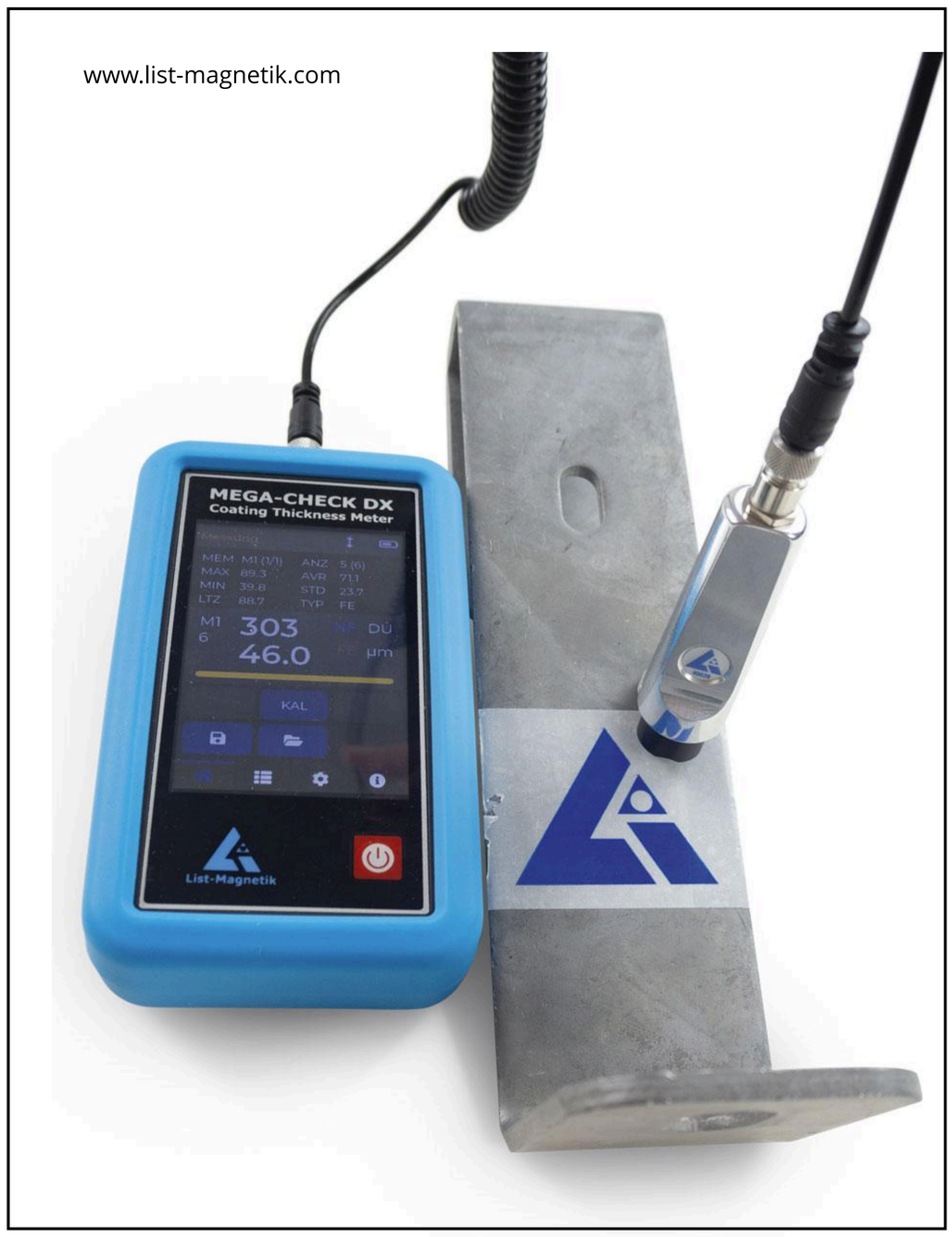
List-Magnetik

Coating Thickness Meter
MEGA-CHECK DX

www.list-magnetik.com

COATING THICKNESS METER MEGA-CHECK DX



The **List-Magnetik MEGA-CHECK DX** coating thickness gauge can be connected to many specialized digital probes. Applications on very small openings, on thick coatings and on small measuring points are easily possible. Special functions such as scan measurement for rough surfaces and duplex measurement for galvanized and additionally coated steel complete the performance spectrum.

A completely new digital probe technology with a high sampling rate provides very stable measurements. The signals are digitized in the probe for absolutely interference-free and precise measurements. This results in very accurate and reproducible measurements.

At List-Magnetik you will find a wide range of probes for FE metals (iron and steel) and NF metals (non-ferrous metals such as aluminum, brass, copper, bronze and non-magnetic stainless steel) as well as combined probes with automatic base material detection.

The magnetic induction method allows the measurement of paint, varnish, plastic, rubber, ceramics, zinc and galvanic coatings on steel. The eddy current method allows the measurement of insulating coatings (paint, varnish, plastic, anodization) on non-ferrous metals.

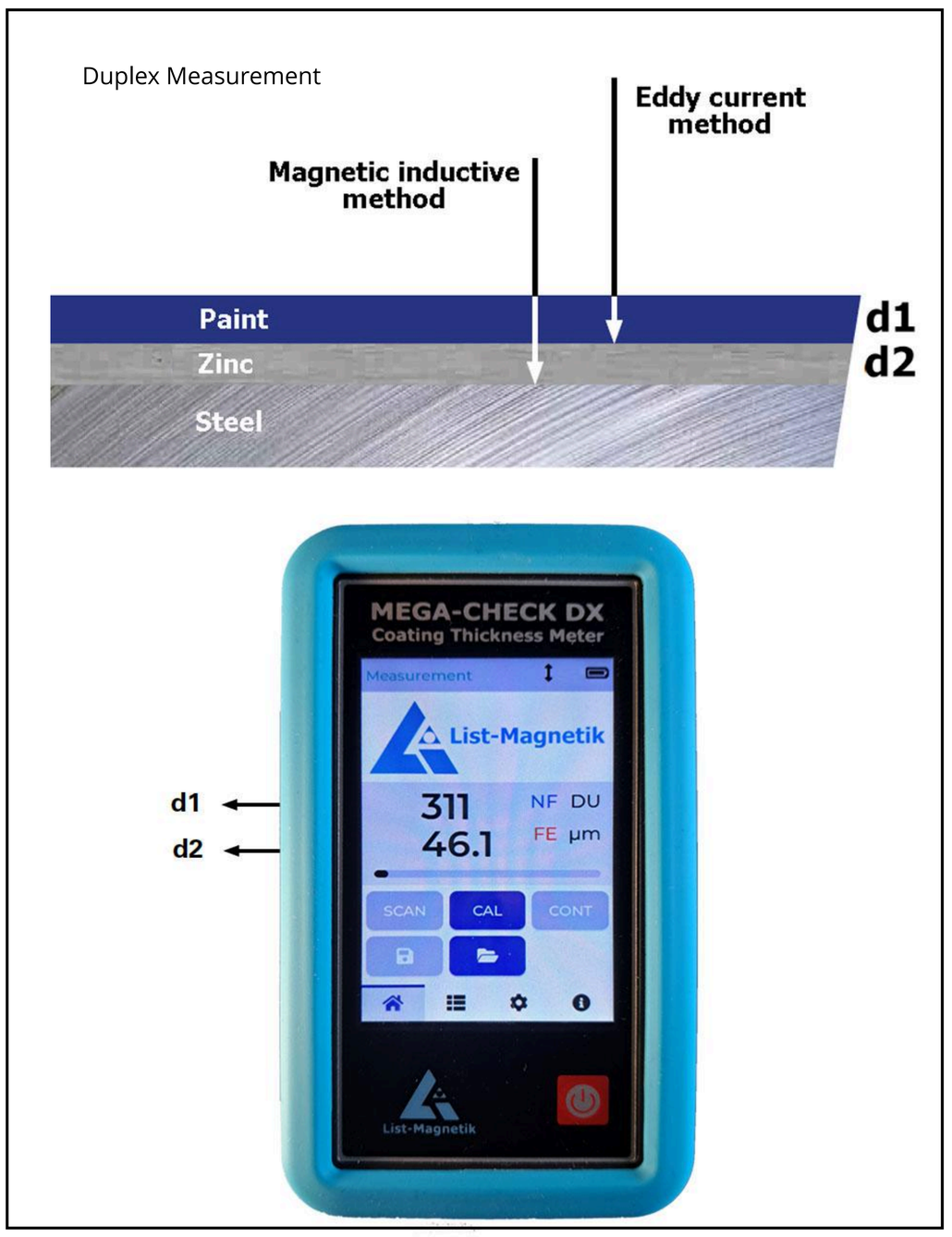
The coating thickness gauge is equipped with a graphic LCD touch panel with an innovative user interface and a resolution of 320x480 pixels. The blue silicone frame effectively protects the housing from damage.

With flexible data storage, customizable calibration memories, and Bluetooth Low Energy connectivity to Windows, Android, or iOS, you have everything you need to collect and process your data.

An SCPI interface is implemented, allowing the instrument to perform remote measurements in line operation and to provide measured values. Connection is via USB, which also provides power and continuous operation.

The **Scan function** allows you to scan a workpiece over a rough surface and statistically evaluate the data. The additional analog display complements the visualization of measured values, allowing you to see trends and peaks even out of the corner of your eye.

When measuring insulation layers on galvanized steel parts, the **Duplex function** simultaneously records the thickness of each layer.

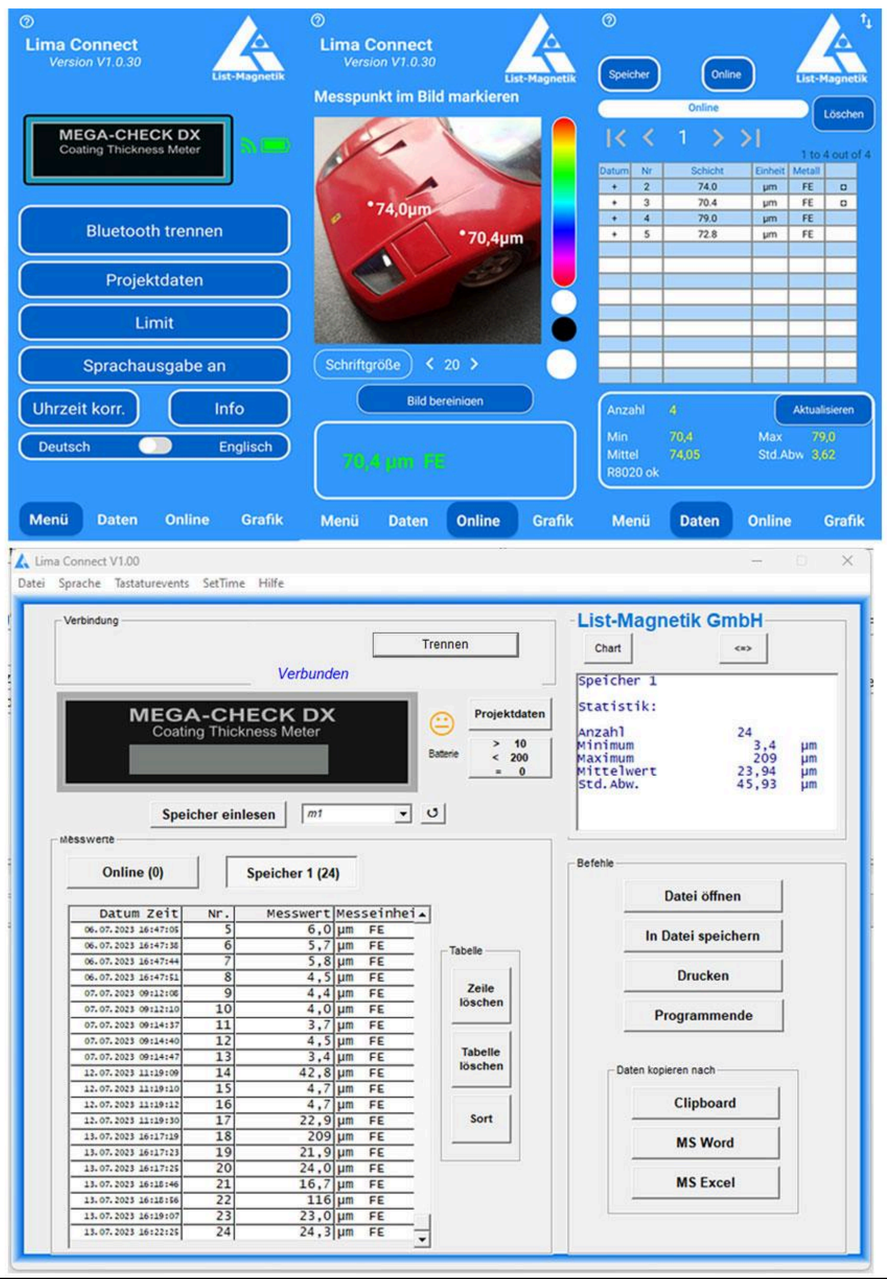


COATING THICKNESS METER MEGA-CHECK DX

Technical Data Coating Thickness Meter MEGA-CHECK DX

- Application: Depending on the selection of the probe, measurement of paint, lacquer, plastic and galvanic layers on steel, measurement of insulating layers on non-ferrous metals with automatic recognition of the base material.
- Standards: ISO 2178, ISO 2360, BS 5411, ASTM
- Measuring probe: measuring range depending on probe on steel and iron up to 7 mm (7,000 µm), on NF metals up to 2 mm (2000 µm), minimum area, minimum radius of curvature and calibration value are also depending on probe
- 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: LCD touch panel color 320x480 pixel
- Multilingual menu: English, German, Italian, French, Spanish
- Scan function: for accurate measurement on rough or blasted surfaces
- Duplex function: for exact determination of single layer thickness when measuring insulating layers on galvanized steel parts (zinc layer must be > 60 µm)
- Data logger: 10,000 measurements, flexibly divisible Statistics: Count / Maximum / Minimum / Average / Standard deviation
- Calibration memory: flexible number of calibration configurations storable
- 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
- External control: via USB and SCPI communication interface
- Power supply: 3x 1.5 V AA Mignon. External power supply can be connected via USB
- Operating time: approx. 25 hours with battery, unlimited with external power supply
- Dimensions: 150 x 85 x 35 mm
- Weight: 320 g with batteries

App for PC and Mobile Device



COATING THICKNESS METER MEGA-CHECK DX

Probes MEGA-CHECK DX

Technical Data Measuring Probes für Coating Thickness Meter MEGA-CHECK DX

LM-MCDX-52D: **MEGA-CHECK and DX52-D** Dual function probe with sliding sleeve and prism	on steel up to 5000 µm on NF metal up to 2000 µm	areas from 8 mm convex FE 4 mm / NF 6 mm, concave 38 mm
LM-MCDX-52DP: **MEGA-CHECK and DX52-DP** Dual function probe with sliding sleeve, pivotable	on steel up to 5000 µm on NF metal up to 2000 µm	areas from 8 mm convex FE 4 mm / NF 6 mm, concave 38 mm
LM-MCDX-5F: **MEGA-CHECK and DX5-F** Standard probe with sliding sleeve and prism	on steel up to 5000 µm	areas from 4 mm convex 4 mm, concave 38 mm
LM-MCDX-5FP: **MEGA-CHECK and DX5-FP** Standard probe with sliding sleeve, pivotable	on steel up to 5000 µm	areas from 4 mm convex 4 mm, concave 38 mm
LM-MCDX-1F: **MEGA-CHECK and DX1-F** Spring-loaded probe for complex surfaces	on steel up to 1000 µm	areas from 2 mm convex 1 mm, concave 6 mm
LM-MCDX-7F: **MEGA-CHECK and DX7-F** Probe for thick layers e.g. fire protection	on steel up to 7000 µm	areas from 4 mm convex 4 mm, concave 38 mm
LM-MCDX-1FT: **MEGA-CHECK and DX1-FT** Transversal rod probe for extremely small interior spaces	on steel up to 1000 µm	areas from 2 mm convex 2 mm, concave 16 mm
LM-MCDX-6FT: **MEGA-CHECK and DX6-FT** Transversal rod probe for interiors and pipes	on steel up to 6000 µm	areas from 3 mm convex 2 mm, concave 8 mm

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