

List-Magnetik Permeability Meter FERRO-PRO / FerroPro compact

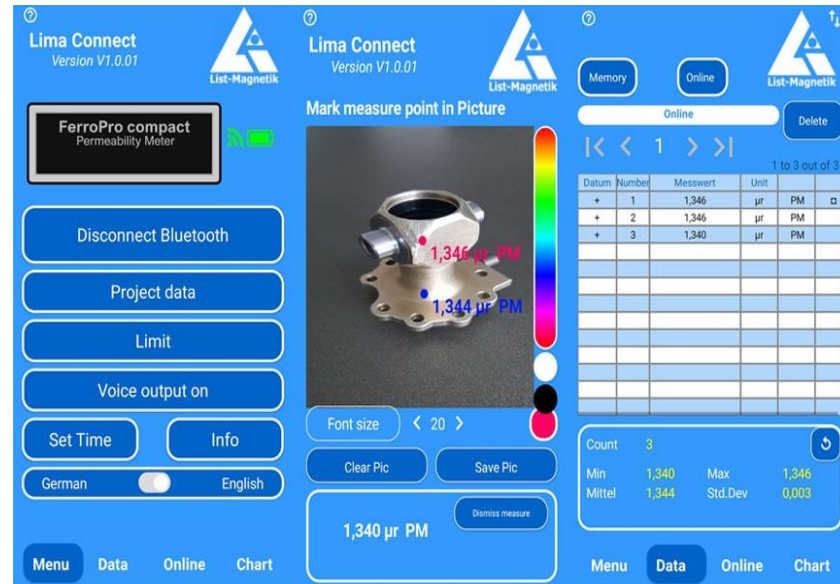


The FerroPro compact from List-Magnetik is a specialized meter used to determine the relative magnetic permeability (μ_r) of various materials and components, with a measurement range of 1.000 to 5.000. This measurement of magnetic permeability or conductivity indicates the degree to which a specific material can be magnetized.

Typical applications for this instrument include the quality control of stainless steels, the non-destructive testing of structural parts, and selecting materials for sensitive nuclear magnetic resonance or electron/ion physics equipment. It is also highly effective at detecting subtle material changes in components subjected to high stress.

FerroPro compact has a graphical LCD touch panel with an innovative user interface and a resolution of 320x480 pixels. With flexible data logger, combined digital and analog display, and peak value measurement, the instrument supports all areas of permeability measurement.

Data can be transferred to Windows PCs or mobile applications for Android and iOS using the integrated wireless interface. For applications requiring continuous operation, the device features a USB interface that allows for a permanent connection to an external power supply.



Technical Data For Magnet Permeability Meter

FerroPro compact can be used to perform standard-compliant permeability measurements according to ASTM A342 test methods 1 and 4, EN 60404-15 method 6 and VG 95578.

- Measuring range: $\mu_r = 1.000$ to 5.000
- Probe: FPC-5, interchangeable, with separately interchangeable cable
- Accuracy at 20°C : $(\mu_r - 1) \times 5\%$, against traceable calibration standards, can be readjusted
- Resolution: 0.001
- Ambient temperature range: $0-50^\circ\text{C}$
- Display: LCD color touch panel 320×480 pixels
- Multilingual menu: English, French, German, Italian, Spanish
- Data logger: 10,000 measurements, flexibly divisible
- Statistics: Count / Maximum / Minimum / Average / Standard deviation
- Interface: wireless interface to communicate with Android, iOS and Windows
- App for Android, iOS, Windows: free via Google Play Store, Apple App Store, List-Magnetik website
- External control: via USB and SCPI communication interface
- Power supply: 3x 1.5V AA Mignon. External power supply connectable via USB
- Operating time: Approximately 25 hours with battery, unlimited with external power source
- Dimensions: $150 \times 85 \times 35$ mm
- Weight: 320 g with batteries

