

www.list-magnetik.com



# Magnet Permeability Meter LM-FERRO-PRO / FerroPro compact

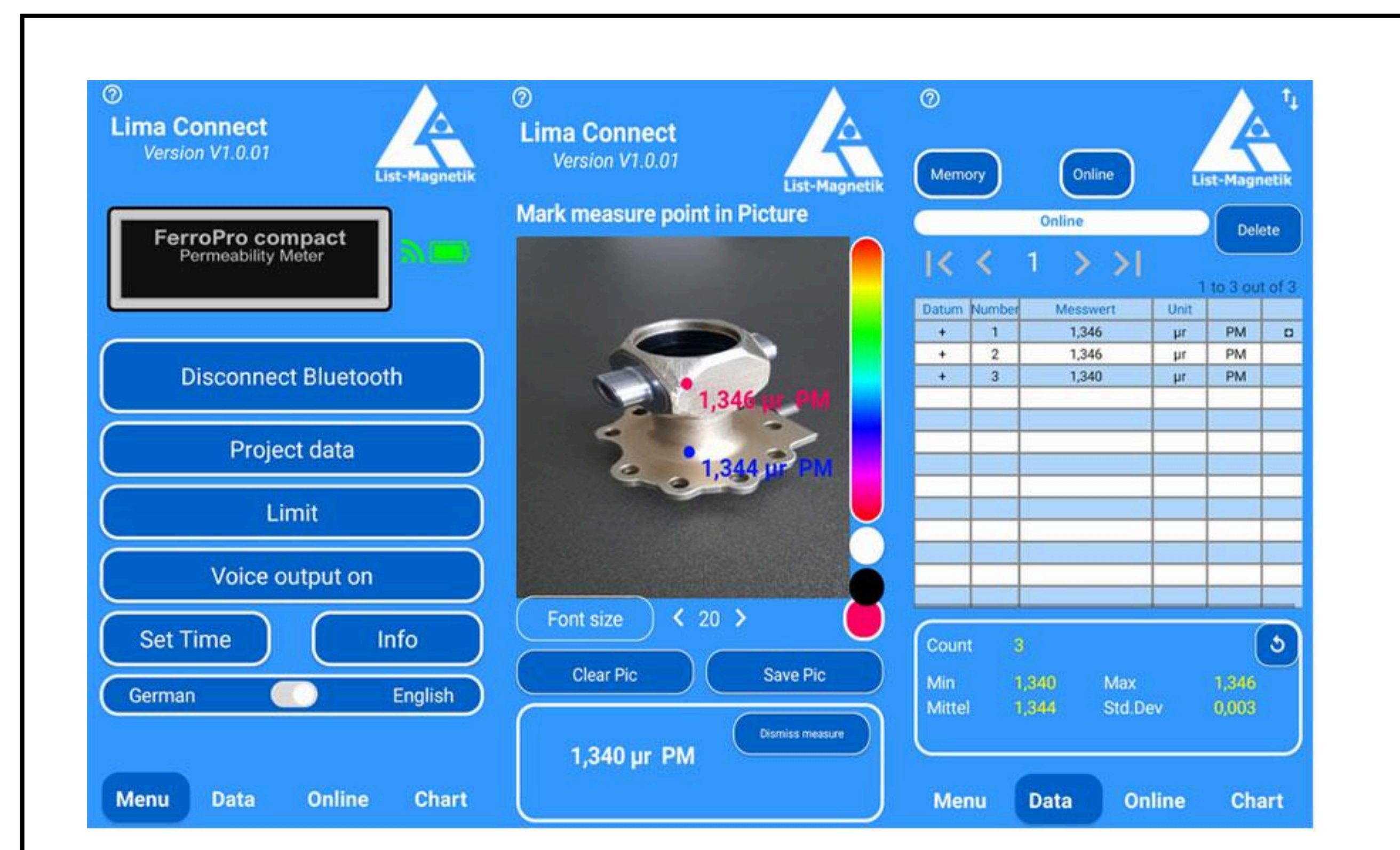
[www.list-magnetik.com](http://www.list-magnetik.com)

The **Magnet Permeability Meter FerroPro compact** by List-Magnetik can be used to determine the **relative magnetic permeability  $\mu_r$**  of materials and components in the range between 1.000 and 5.000. Magnetic permeability or magnetic conductivity provides information on how strongly a material can be magnetized.

Applications include quality control of stainless steels, non-destructive testing of structural components, material selection for electron/ion physics and nuclear magnetic resonance equipment, and detection of material changes in highly stressed parts.

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.

The wireless interface can be used to transfer data to a Windows PC as well as to the Android or iOS app. The USB interface allows the device to be connected to an external power source for continuous operation.



## Technical Data Magnet Permeability Meter LM-FERRO-PRO / Model FerroPro compact

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° C
- Display: LCD color touch panel 320x480 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 x 85 x 35 mm
- Weight: 320 g with batteries

