

Magnetic Permeability Meter FerroPro compact

The Magnetic Permeability Meter **FerroPro compact** by List-Magnetik can be used to determine the relative magnetic permeability μ_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 Bluetooth interface can be used to transfer data to a Windows PC as well as to the Android or iOS app. The USB-C interface allows the device to be connected to an external power source for continuous operation.



Major advantages over our proven Ferromaster model, which is still available, are the interchangeable probe and cable, as these parts were often affected by defects. It also has a graphic display with many additional functions such as scan measurement and analog display. The FerroPro compact offers memory and interface to PC and mobile device. The measuring range is up to $\mu_r = 5$.

Technical Data

FerroPro compact

Measuring range	$\mu\text{r} = 1.000$ to 5.000
Accuracy at 20°C	$(\mu\text{r} - 1) \times 5\%$, against traceable calibration standards, can be readjusted
Resolution	0.001
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	Bluetooth Low Energy interface to communicate with Android, iOS and Windows
App for Android, iOS, Windows	free via Google Play Store, Apple App Store, List-Magnetik homepage
Power supply	3x 1.5V AA Mignon. External power supply connectable via USB-C
Operating time	Approximately 25 hours with battery, unlimited with external power source
Dimensions	150 x 85 x 35 mm
Weight	320 g with batteries



Lima Connect App with transferred data from FerroPro compact



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