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List-Magnetik Residual Magnetic Field Meter MP80 / V2

The MP-80 V2 is a portable, battery-powered residual magnetic field meter designed for the fast and dependable measurement of remanence in ferromagnetic steel and iron components. This instrument is also highly effective for verifying the success of demagnetization processes. A key feature of its design is the integrated axial field probe, which houses a Hall sensor positioned at a precise, fixed measuring distance of 2.0 mm from the surface of the material being tested.

As a more streamlined version of the MP-810, this device excels particularly in detecting weak magnetic fields. Its compact metal housing ensures durability and reliable performance even in challenging industrial conditions, including exposure to moisture or oily vapors. To maintain measurement integrity, a 5 A/cm calibration standard is included, providing constant verification that the instrument is functioning accurately. Both the meter and the calibration standard are packaged together in a rugged carrying case for maximum protection.

To facilitate advanced data processing, the MP-80 V2 integrates wireless technology for seamless coupling with mobile Android and iOS devices, as well as Windows PCs. Using the free Lima Connect App, you can efficiently manage projects and assign specific measurement points directly onto a photo. Furthermore, the app allows for measurement results to be graphically displayed and statistically evaluated, providing a comprehensive toolkit for data analysis.

Technical Data For Residual Magnetic Field Meter MP80

- Measuring units: A/cm - kA/m - Gauss - Oersted - Tesla switchable
- Measuring probe: integrated axial field probe, ø 8mm with defined measuring distance of 2.0 mm
- Measuring range DC: 0-100 A/cm
- Accuracy: in the homogeneous field ± 0.3 A/cm up to 10 A/cm, ± 3% of measured value from 10 A/cm
- Resolution: 0.1 A/cm or 0.01 mT
- Peak Hold: Recording rate approx. 10 readings / second
- Display: OLED Graphic Display illuminated
- Analog display: bar graph
- 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. 40 hours
- Dimensions: 28 X 103 mm
- Weight: 70 g with battery