

MAGNETOMETER / MAGNETIC FIELD DETECTOR

LM-MAGINSPECT



- » **Hysteresis curve of permanent magnets**
- » **Determination of remanence B_r**
- » **Coercive field strength I_{Hc}**
- » **Saturation magnetization (M_s)**

Magnetometer / Magnetic Field Detector (Permagraph), a cost-effective testing device for measuring the hysteresis curve of hard magnetic materials, offers high measurement accuracy and is almost comparable in precision to a Permagraph.

MagInspect is particularly suitable for testing permanent magnetic materials such as AlNiCo, ferrite, SmCo or neodymium magnetic materials. It offers precise measurement of the hysteresis curve and supports material testing and analysis of these specialized magnetic materials.

The Magnetometer / Magnetic Field Detector (Permagraph) can replace a Permagraph, which determines the magnetic properties of materials. Furthermore, MagInspect is an affordable and easy-to-use testing device that can record the magnetization and demagnetization curve using a pulse method. The control unit and external pulse measuring probe are equipped with innovative measuring electronics that enable precise and reliable measurement of the magnetization and demagnetization curve. A particular advantage of MagInspect is that the geometry of the object to be measured is largely unrestricted, whereas special magnet geometries are required when measuring with a permagraph.

Specification

Magnetic field strength

Measurement range up to 50 ... 1800 kA/m

Resolution 0,1 kA/m

Accuracy $\pm 2\%$ v.Mw.

Magnetic flux

Measurement range up to 0 ... 2 t

Resolution 0,001 t

Accuracy $\pm 2\%$ v.Mw.

General technical data

Dimensions Probe: d=43 x 105 mm
Stand: 80 x 80 x 80 x 80 mm

Menu language German

Protection class (device) IP20

Power supply 230 V / 50 ... 60 Hz

Operating conditions 0 ... 50 °C, 10 ... 90 % RH

Storage conditions 0 ... 50 °C, 10 ... 90 % RH

Dimensions (L x W x H) 550 x 500 x 300 mm

Weight 19000 g