

M-Test LL

Meter for measuring of residual magnetism

MAGNETIC
Test



- Fast detection of fine magnetic fields with LED indication
- For use in laboratory, development and production
- Measuring of DC and AC magnetic fields
- Automatic storage of maximum values, north and south poles

- Selectable measuring units (A/cm, Gauss, mT)
- High quality aluminum housing with color touchscreen
- Battery life up to 7 hours
- Integrated analog interface

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MAURER[®]
MAGNETIC AG

Precise, quick and reliable measurements of residual magnetism.

The M-Test LL has been developed specifically for the simple and reproducible measurement of residual magnetism. The fast LED indication on the probe allows a reliable detection of fine magnetic fields on the part. Additionally, the device automatically stores and displays the maximum value of

north and south pole relevant for the measurement. Thanks to the robust design and the excellent finish, the M-Test LL can be used for various applications in the field as well as in the laboratory, and it is in daily use in the automotive industry, industrial production and other sectors.

Measuring units (selectable)	A/cm	Gauss	mT
Range in magnetic DC field	+/-160 A/cm	+/-200 Gauss	+/-20 mT
Resolution	0.1 A/cm	0.1 Gauss	0.01 mT
LED threshold	approx.+/-1.7 A/cm	approx.+/-2.1 Gauss	approx.+/-0.21 mT
Analog output	+/-1.4V of full scale		
Accuracy in homogenous DC field	1.5% of full scale, +/-1 Digit		
Frequency range in AC field	approx. 5Hz to 20 kHz		
Sensor type M-Test LLP 0.5	transversally mounted Hall effect sensor, temperature compensated, no drift		
Measuring distance	0.5mm distance from Hall effect sensor to probe surface (2mm with optional adapter)		
Polarity indication on LED	red = north pole, green = south pole, orange = out of range (overflow)		
Automatic switch-off	15 min on battery		
Battery type/charging time	Lithium Polymer battery, 2 cells / approx. 6-7h charging time		
Battery life	approx. 7h		
Probe cable	Spiral cable, stretched length 2m		
Dimensions of indication device	166 x 106 x 34 mm		
Dimensions of probe	70 x 12 x 3.5 mm protruding from handle		
Weight (probe and indicator)/shipping	500g / 1000g		

Delivery includes:

- Probe
- Indicating device
- Spiral cable to connect the probe
- Operating manual
- USB cable and charger
- Soft storage case

Made in Switzerland 

Available Options and Accessories

- Calibration certificate verifying that calibration is based on national standards
- USB interface including software
- Adapter for a measuring distance of 2.0mm
- Reference magnet
- Hard case
- Zero Gauss chamber 17" or 21" for shielding from geomagnetic field.

Magnetizing & Demagnetizing Technology

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