

Quality needs Control



Magnetic Field Strength Meters



MP-U and MPU-ST

The Field Strength Meters MP-U and MPU-ST measure all existing magnetic fields, both DC and AC fields. The instruments are battery powered and include a peak hold.



The model **MPU-ST** has an additional measuring range

0 - 20 000 A/cm (Oe) with an automatic linearisation of the Hall probe characteristic in the range of 10 000-20 000 A/cm (Oe). MPU-ST is provided with data memory, serial interface and analog output. Evaluation of the readings stored can be performed either on the Data Printer DUO-PRINT or with a Graphic Statistics Software on a computer.

A calibration standard (180 A/cm) for MP-U and MPU-ST is available on request.

Measuring Probes

(length incl. grip: 128 mm, reed length: 56 mm)

Tangential Field Probe: 1.6 mm thick

Elastic Reed Probe: 0.7 mm thick

Axial Field Probe: 6 mm \varnothing

Residual Field Strength Meter

MP-1

Portable device with battery operation suitable to measure residual magnetism (polarization) in steel, especially in demagnetized objects.

The instrument is supplied with an axial field probe (6 mm \varnothing) and a calibration standard (5 A/cm).



TECHNICAL DATA

Measuring Ranges: 0 - ± 5 A/cm
0 - ± 20 A/cm

Indication: analog (scale reading)

Power Supply: 1.5 V battery -
300 hours measuring time

Accuracy: ± 3 %

Dimension: 83 x 122 x 40 mm

Weight: 300 g incl. probe

Fluxmeter FL-2

The Fluxmeter FL-2 is a portable device to measure the magnetic flux or flux densities of magnetic systems and also to examine ferro-magnetic materials. This instrument can be used in production as well as in the laboratory. All kind of coils can be connected.

TECHNICAL DATA

Measuring Ranges: 0 - 2,000 mWb
0 - 20,00 mWb
0 - 100,0 mWb

Indication: LCD display 3 1/2 digits

Power Supply: 2 x 9 V battery
(IEC 6 LF 22)

Measuring Time: 70 hours

Internal Resistance: 33 k Ω

Drift: $< 5 \times 10^{-3}$ mWb/min

Analog Output:

1,0 mWb \triangleq 100 mV

Dimension:

180 x 115 x 45 mm

Weight: 450 g

A Fluxmeter (model FL-4) with mains supply, peak hold, adjustable comparator and limit value output (interface RS 232) is available on request.



Pole Detector

Small pencil-shaped pocket device for determining polarizations in iron and steel parts, or in magnets and magnetic circuits. The small magnet, which swivels freely between two pins, reacts immediately to the slightest external magnetic field. The Pole Detector can also be used as a compass.

Dimension: 10 mm \varnothing , 120 mm long

Weight: 20 g incl. case



Residual Field Detector M-5

A simple handy device to determine residual magnetism in steel parts. The scale with zero point in the middle has a range of 20 units.

Full deflection corresponds to 20 G or 16 A/cm.

Dimension: 50 mm \varnothing ,

22 mm high

Weight: 60 g incl. case



TECHNICAL DATA	MP-U	MPU-ST
Measuring Ranges:	0 - 200 A/cm 0 - 2000 A/cm	0 - 200 A/cm 0 - 2000 A/cm 0 - 20000 A/cm
Measuring Unit:	A/cm switchable to Oe	
Indication:	LCD display 3 1/2-digits	
Accuracy:	± 2 %	
Power Supply:	9 V battery (IEC 6 LF 22)	
Measuring Time:	approx. 60 hours.	
Data Memory:		max. 2000 readings
Interface:		RS 232 (V.24)
Parameter Setting:		baudrate, data/stopbits, data format
Dimension:	160 x 80 x 27 mm	
Weight:	250 g incl. one probe	



LIST-MAGNETIK

Dipl.-Ing. Heinrich List GmbH

D-70771 Leinfelden-Echterdingen
Max-Lang-Straße 56/2

NEUE TEL.+FAX-NR.:

Tel.: 07 11 / 90 36 31 - 0

Fax: 07 11 / 90 36 31 - 10

