

Vallon Field Strength Meter VFM1

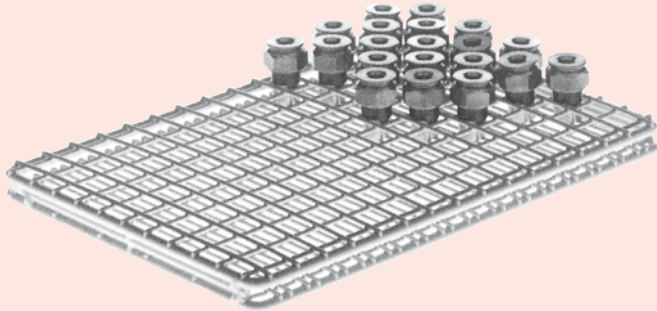


For measuring magnetic DC fields before and after demagnetization

- For workshop and production
- Compact like a mobile phone
- Rugged, shock proof
- Automatic measuring range selection
- Measuring value display in A/cm or Gauss
- Large display
- High accuracy
- Ergonomic design

General

The handy and robust Gauss Meter VFM1 is ideal for measuring magnetic DC fields in production and workshop before or after demagnetization.



The unit has no cables and operates with batteries. Therefore it can be used everywhere.

The clear and large display shows the value and the polarity of the magnetic induction (B) in Gauss or the magnetic field in A/cm.

Operating and Display Elements

The single-hand operated VFM1 is switched on by a push switch.

The „Zeroing“ is compensating external fields (earth field, work bench, measuring tables, tools etc.). By turning the zeroing wheel button the meter/display can be set to „Zero“ before starting the measurements.



The display can show the following measuring ranges:
 1) standard $\pm 199,9$ Gauss resp. A/cm (1 decimal place)
 2) alternatively values between $\pm 19,99$ Gauss resp. A/cm (2 decimal places) or, automatically changing, between $\pm 199,9$ Gauss resp. A/cm. The necessary measuring range is evaluated automatically and the display switches to the right range.

The polarity of the magnetic field is shown by the „minus“-symbol.

In the left top corner of the display the battery change is indicated by the symbol „BAT“. Change batteries as soon as possible.

The measuring tip is placed on the bottom of the unit and contains the „Hall-Sensor“. The tip is small to permit measuring on small parts. The sensor is in the centre of the metal tip.

For fast measurements an internal threshold can be set which activates an alarm tone when exceeded.

Technical Data

Measuring unit:	Magnetic DC fields
Measuring principle:	Hall-element
Display:	3,5 digits LC-Display
Measuring rate:	3 /Sec.
Measuring ranges:	± 20 G (2 mT) resp. A/cm ± 200 G (20 mT) resp. A/cm
Resolution:	0,01 G or 0,1 G resp. A/cm
Measuring accuracy:	$\pm 2\%$ (25°C)
Measuring tip:	6 mm diameter

Power supply:	2 batteries 1,5V Typ AAA
Battery life:	Alcaline ca. 35 hours
Operating temp.:	0°C to 50°C
Storing temp.:	-20°C to 70°C
Humidity:	< 80%
Length:	124,2 mm
Width:	66,3 mm
Height:	23,0 mm
Weight:	105 g (incl. batteries)

Ordering information:	
VFM1 „Gauss“	Part.-No. 2002420010
Test piece 20 Gauss	Part.-No. 2902420009
VFM1 „A/cm“	Part.-No. 2002420011
Test piece 20 A/cm	Part.-No. 2902420006

