

# Field Strength Meter VFM2

For measuring the magnetic field strength / flux density of DC and alternating fields

## DESCRIPTION

The VFM2 field strength meter is ideal for use in industry and production to measure the static magnetic field strength / flux density on surfaces of ferromagnetic parts. For the reliable localization of magnetic point poles, an alarm limit value can be set individually for each of the switchable measuring units and if reached indicated acoustically and visually. A peak value display stores the measured maximum value for its logging. The integrated Bluetooth® data interface and the optionally available evaluation software VFM2 STATISTICS enable single and series measurements and simplify the statistical evaluation of measured values.

## CHARACTERISTICS

- Measurement of the magnetic field strength / flux density of DC and alternating fields
- Switchable measuring units mT, Gauß, A/m, A/cm, kA/m

## MEASUREMENT RANGES

- Measuring range DC / ACeff. / ACs:  
± 80 mT, ± 800 G, ± 63694 A/m, ± 636.9 A/cm, ± 63.69 kA/m
- Measuring range ACss :  
160 mT, 1600 G, 63694 A/m, 1273.8 A/cm, 127.38 kA/m

## TECHNICAL DATA

- Peak value display: MIN., MAX., MIN./MAX. amount
- Alarm limit value adjustable individually for each measuring unit
- Alarm limit value indicated acoustically and visually (bar graphic)
- Automatic zero-point compensation after switching on and at the touch of just one button
- Monitoring and display of battery status with Auto OFF function (time adjustable)
- Data interface: Bluetooth® 5.0 LE (Class 2)
- Measurement accuracy DC: ± 1.5 % of the reading value ± 1 digit (25 ± 1 °C)
- Measurement accuracy AC: ± 6 % of the reading value ± 1 digit (25 ± 1 °C)
- Resolution: 0.01 mT, 0.1 G, 2 A/m, 0.1 A/cm, 0.01 kA/m
- Frequency range: DC, AC 3 - 700 Hz (-3 dB, sine waveform)
- Measuring area: Ø 4 mm, measuring distance of the contact surface to the active Hall element: approx. 1.0 mm (2 mm with protective cap)
- Battery life: approx. 35 hours (1.5 V type AAA/LR03)
- Batteries: 2 x 1.5 V type AAA/LR03 or 2 x 1.2 V NiMh AAA/HR03
- Operating temperature: -10 to 70 °C / protection class: IP65
- Dimensions: 150 x 56 x 27 mm [LxWxH]
- Weight (incl. batteries): 128 g

### Optionally available:

- Factory calibration with ISO calibration certificate
- Test pieces with nominal value of 20 A/cm or 20 Gauss
- Windows® PC evaluation software VFM2 STATISTICS



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