

SMF-01

STATIC MAGNETIC FIELD PROBE

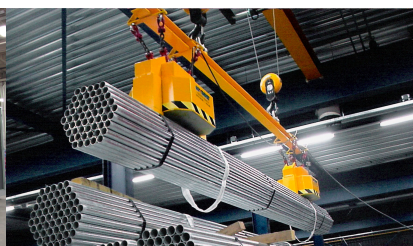
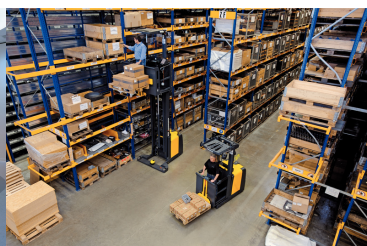


The SMF "Static Magnetic Field" is an isotropic magnetometer with Hall effect sensors, that allows magnetic field measurements up to 3 Tesla (6 T). The probe is designed for testing magnetic fields with frequencies from DC to 1 kHz, in various work environments: MRIs, metal factories that make use of big magnets, companies that involve high DC currents and power inverters, industrial environments that utilize the electrolysis process.

The calibration of the sensor can be performed thanks to the URM (Universal Reference Magnet). The URM allows to calibrate every magnetic field sensor (isotropic, non-isotropic, axial or transverse) up to 1 T.



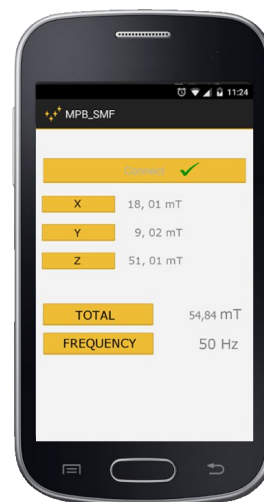
MRIs, lift machinery, power inverter, large magnets



The sensor is extremely easy to use, since it can be connected directly to the pc via USB port. The MPB APP is also available, in order to connect this sensor to all the Android devices.



Search for this icon in the Play Store (not yet available)

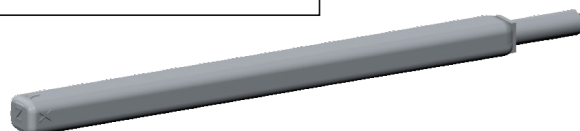


TECHNICAL SPECIFICATIONS

SMF-01 Sensor Static Magnetic Field

Sensor Type	Triaxial Hall Effect
Frequency range	DC to 1 KHz
Frequency identify	FFT elaboration
Level range	1 mT ... 3 T (6T)
Resolution	100 μ T
Dynamic	> 60 dB (>75 dB)
Sampling rate	max 2400 Hz
Data rate for isotropic value	from 200 ms to 2 s
Unit measurement	mT; T; mG; G; mA/m; A/m
Data logger	
Recording time	select from continuous ¹ to 60 sec (step by 5 sec)
Connection	USB

Note 1: the data is stored at the maximum data rate



URM Universal Reference Magnet OPTION

Calibration range	Adjustable from 1 mT to 1 T in 10 mT step
Weight	1,2 Kg
Dimension	diameter 85 mm x height 120 mm
Probe dimensions adjustable with adapters included	
axial probe diameter	max 15 mm
transverse probe width	max 15 mm
transverse probe height	max 10 mm



Subject to change without notice