

**Magnetic Field Meter 2000**

is a professional dual band magnetic field instrument with a unique combination of features like:

- simultaneous measurements of ELF and VLF magnetic fields.
- unique real time dual band spectrum analysis in three dimensions.
- waveform capture in two bands for signal analysis.
- orthogonal coil sensor for field direction independence.
- frequency range from 5 Hz - 2 kHz and 2 kHz - 400 kHz according to MPR 2 and TCO certification specifications.
- true RMS measurements of both frequency bands.
- touch panel display with numerical and graphical result presentation.

Magnetic Field Meter 2000

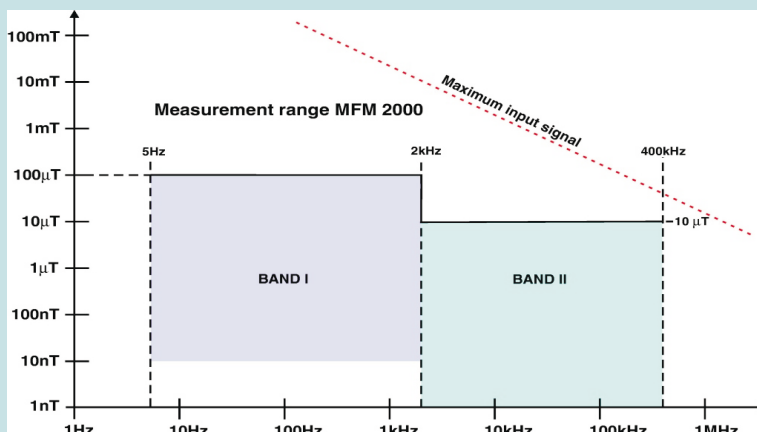
is specifically designed to replace the MFM 1000 and MFM 10 instruments.

Flexible operation modes built into the instrument are:

- single, burst or continuous measurements of both bands simultaneously.
- full remote mode capabilities controlled from a PC.
- flexible data logging with user selectable data formats including time, RMS-values, spectrum and waveform.
- PC support software to handle remote mode operation, storage and presentation of measurement data from complete testing according to TCO certification methods.
- PC database, test procedure guidance and report generator.

TECHNICAL DATA

Measurement range:



Frequency range:

5 Hz- 2000 Hz (Band I) and 2 kHz- 400 kHz. (Band II)

Frequency response

Band I:	at 5 Hz -3 dB and below	5 Hz \geq 80 dB/decade
	at 2 kHz -3 dB and above	2 kHz \geq 40 dB/decade
Band II:	at 2 kHz -3 dB and below	2 kHz \geq 80 dB/decade
	at 400 kHz -3 dB and above	400 kHz \geq 40 dB/decade

Accuracy

Band I:	\pm (1 % of reading +2 nT)
Band II:	\pm (1 % of reading +0.2 nT)

Sensor:

Orthogonal three axis coil. Coil area 100 cm²

Display type:

Graphical display 320x240 dots with touch panel.

Communication:

USB 2 interface for PC communication

Power:

Smart Litium ion battery, 10.8 V and 5.5 Ah
Universal battery charger 90-250 V, 45 – 65 Hz

Weight:

2.5 kg

Size:

400 x 110 x 190 mm (LxWxH)

Operating environment:

-20^oC to +50^oC, 10 to 85 % relative humidity

Specifications subject to change without notice

Ordering information:

Order number

Product

11-01

MFM 2000 standard version*

91-03

Tripod

91-02

Turntable

* Standard version includes battery charger, communication cables, operator's manual and transportation case.

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