



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.
- orthogonal coil sensor for field direction independence.
- frequency range from 5 Hz - 2 kHz and 2 kHz - 400 kHz according to TCO certification specifications.
- true RMS measurements of both frequency bands.
- touch panel display with numerical and graphical result presentation.

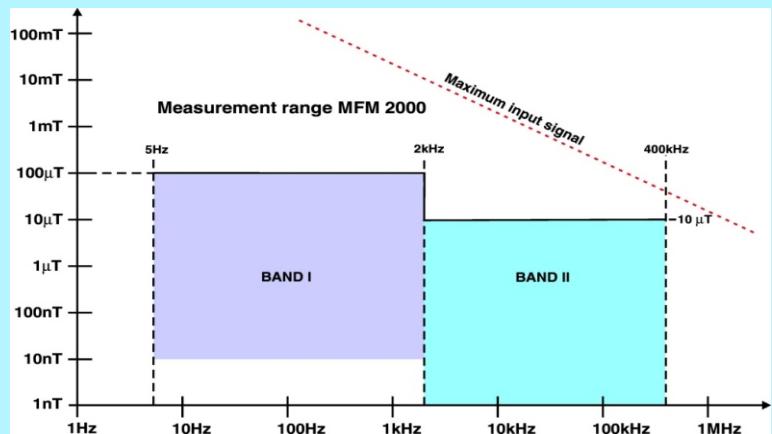
Magnetic Field Meter 2000 is specifically designed to replace the MFM 1000 and MFM 10 instruments.

Flexible operation modes built into the instrument are:

- single or continuous measurements of both bands simultaneously.
- full remote mode capabilities controlled from a PC.
- data format including time, RMS-values, largest signals, frequency and spectrum for both bands.
- PC support software to handle remote mode operation, storage and presentation of measurement data from complete emission 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 80 dB/decade
	at 2 kHz -3 dB and above 2 kHz 40 dB/decade
Band II:	at 2 kHz -3 dB and below 2 kHz 80 dB/decade
	at 400 kHz -3 dB and above 400 kHz 40 dB/decade

Accuracy

Band I:	(1 % of reading +2 nT)
Band II:	(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 4.8 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 C to +50 C, 10 to 85 % relative humidity

Specifications subject to change without notice

Ordering information:	Order number	Product
	11-01	MFM 2000 standard version*
	31-51	PC-software to MFM 2000 incl. 12 months of service and support
	91-03	Tripod
	91-02	Turntable

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



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