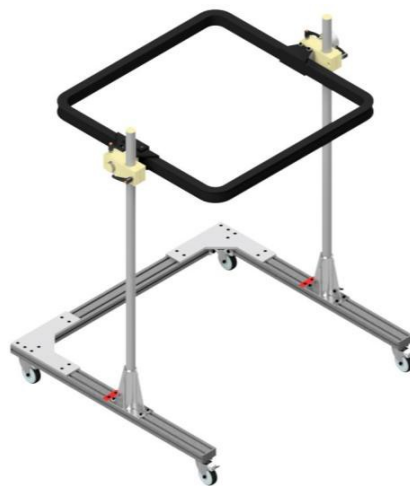
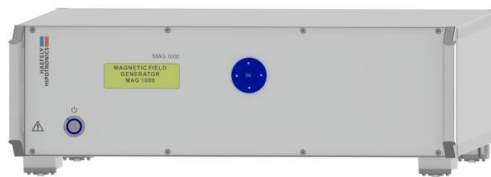


MAG 1000

Power Frequency Magnetic
Field Test Equipment device
short description

Datasheet



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General Description

The MAG 1000 is to be used for EMC TESTS requiring AC Magnetic Fields.

Power frequency magnetic fields are generated by AC current flowing in conductors. The normal 50/60 Hz power cord is a good example, although currents with other frequencies may be present, dependent on the application.

Magnetic fields may interfere with equipment operated in close proximity. Typically EUTs are monitors of all kinds.

The MAG 1000 has a 1m x 1m square, 90 turns antenna. It contains an internal power supply making this system a stand-alone solution.

The magnetic field strength is defined at the center of the coil with 3dB variation. Coil dimensions define the maximum EUT size as being 0.6m x 0.6m x 0.5m.

The MAG 1000 can be used for both vertical and horizontal plane testing, by simply rotating the coil antenna in its mounting on the included stand. The MAG 1000 can be used for both short duration and continuous mode testing. The MAG 1000 is fully compliant with IEC 61000-4-8.

Features

- Up to 1100A/m field strength
- Sturdy construction
- Exactly as defined in IEC 10000-4-8
- Internal power supply
- Completely stand-alone system
- Basic user interface
- Short duration and continuous duration testing possible

Applications

- IEC 61000-4-8
- EN 61000-6-1
- EN 61000-6-2

Scope of Supply

- MAG 1000 Generator
- Stand & Antena

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Technical Data

Block 1	
Continuous Field Strength	1 - 120 A/m
Continuous Test Time	1min – 8hr
Short Duration Field Strength	100 - 1100A/m
Short Duration Test Time	1s - 3s
Selectable Frequency	50Hz & 60Hz
Maximum EUT Size	0.6m x 0.6m x 0.5m
Generator Dimensions	550mm x 450mm x 143mm
Input Connection	10A IEC
Stand & Antenna Weight	46kg

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INSTRUMENTS



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