

MAG 1000

Power Frequency Immunity Test System

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

- High magnetic field strength possible up to 1100 A/m
- For short-term and long-term tests
- 2 units: Power supply and coil
- Simple user interface

**For magnetic field tests
(from HAEFELY).**



Overview

The MAG 1000 is an immunity test system of mains frequency magnetic fields and fully compliant with IEC 61000-4-8.

Mains frequency magnetic fields are generated by alternating current flowing in conductors, e.g. in power cables connecting equipment to the mains. The MAG 1000 is used to reproduce these magnetic fields and determine whether they can interfere with equipment operating in close proximity.

The MAG 1000 consists of two units, a power supply and a coil for generating the magnetic field strength. The values of the magnetic field are entered via the LCD display and the keys on the front of the power supply. The magnetic field is generated in the center of the coil with a maximum deviation of 3 dB. The dimensions of the coil allow the use of large test objects.

The coil can be used for testing in both the vertical and horizontal planes by simply rotating the coil antenna. Both short-time and continuous tests are possible.

Key facts

- Compact and mobile system (with wheels) - easy to rotate
- Robust construction
- Simple user interface and keypad -- even for untrained personnel
- Tests in the vertical as well as in the horizontal plane



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Technical data

MAG 1000			
Continuous		Dimensions	550 mm x 450 mm x
Field strength	1 – 120 A/m	Generator	143 mm
Test time	1 min – 8 h	Weight	1.7 kg
Short duration		Generator	
Field strength	100 – 1100 A/m	Input connection	10 A IEC
Test time	1 s – 3 s	Dimensions	appr. 1 m x 1 m
Frequency	50 Hz / 60 Hz	coil	
selectable		Weight	46 kg
Maximum EUT size	0.6 m x 0.6 m x 0.5 m	Stand & antenna	
		Battery life	> 16 hours
		Power consumption	17 VA

Scope of delivery

MAG 1000 Generator (Nr. 2499985)

MAG 1000 Stand and Antenna

User Manual

Calibration certificate

Alle Informationen zum Erscheinungsbild und den technischen Daten entsprechen dem aktuellen Entwicklungsstand zum Zeitpunkt der Freigabe dieses Datenblattes. Technische Änderungen bleiben vorbehalten. 232303

