

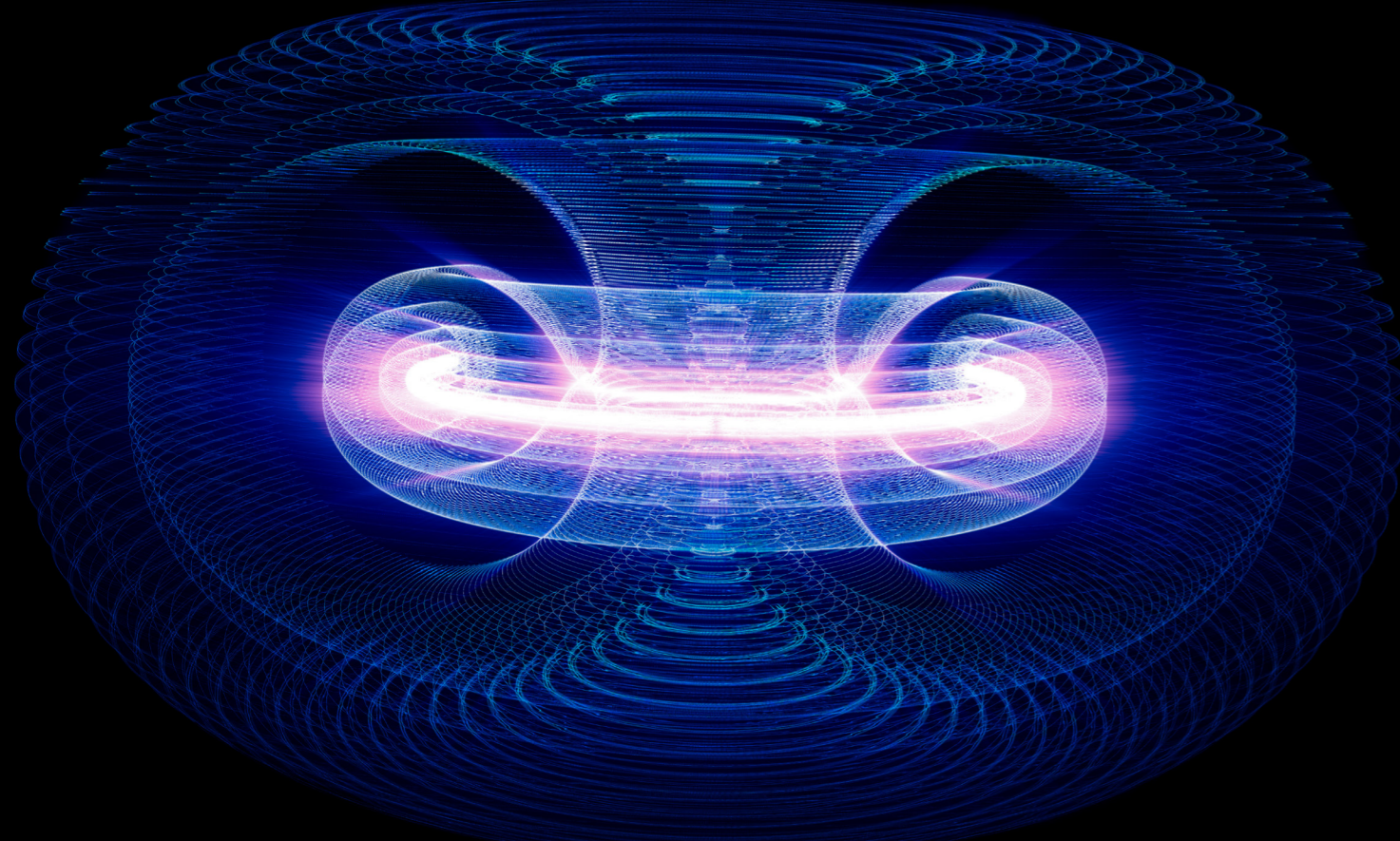
# MAG 1000



*POWER FREQUENCY MAGNETIC  
FIELD TEST EQUIPMENT*



Current and voltage – our passion



## SUMMARY

Power frequency magnetic fields are generated by AC current flowing in conductors, for example in the power cord used to plug devices to mains. The MAG 1000 is used to reproduce these magnetic fields and see if they may interfere with equipment operated in close proximity.

The MAG 1000 is composed of 2 units, a power supply and a coil to generate the magnetic field strength. Values of the magnetic field are introduced by using

the LCD display and buttons located in the front of the power supply. The magnetic field is generated at the center of the coil with a maximum variation of 3dB. The coil dimensions allows to allocate large test objects.

The coil can be used for both vertical and horizontal plane testing, by simply rotating the coil antenna.

Both short duration and continuous mode testing are possible. Device is fully compliant with IEC 61000-4-8.

## FEATURES

- Up to 1100A/m field strength
- Sturdy construction
- Internal power supply
- Built to fulfill the standards
- Simple user interface
- Short duration and continuous duration testing possible

## ADVANTAGES

- ✓ Large magnetic fields strength can be reached with a compact and mobile system.
- ✓ Tests done using the MAG 1000 fulfills the international standards
- ✓ Easy to use even even by non trained operators
- ✓ Same device for different tests setups and durations

## APPLICATIONS

Full-compliance and pre-compliance testing to a wide variety of standards:

- IEC 61000-4-8\*
- EN 61000-6-1
- EN 61000-6-2
- and others

\*Up to test level 5 for continuous and short duration





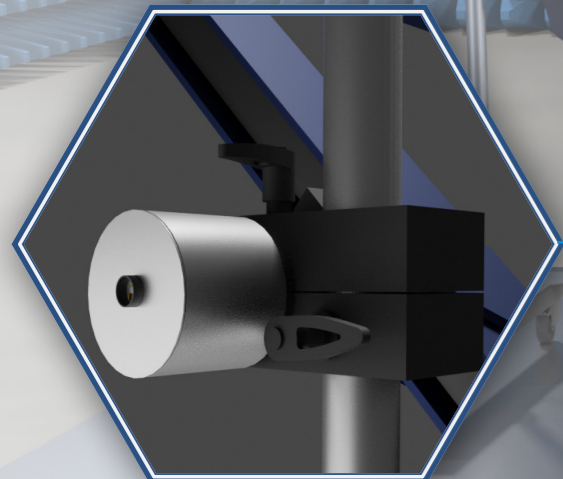
OVERVIEW



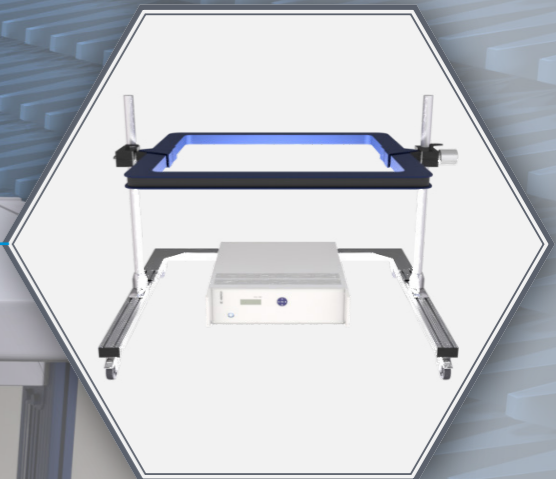
✓ **Single connection**  
Easy to setup



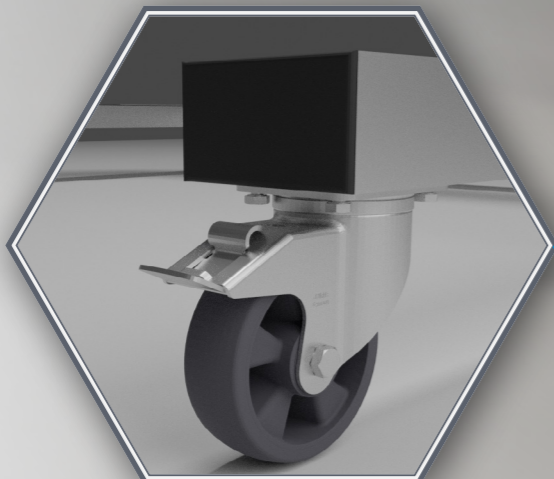
✓ **Simple user interface**  
Main information always available



✓ **Mobile antenna**  
Easy to rotate and lift



✓ **Large magnetic field strength**  
Up to 1100 A/m



✓ **Wheels**  
Antenna can be easily located for testing, and stored when not needed



✓ **Simple keypad**  
Simple and easy to use







## STANDARD PACKAGE

### MAG 1000

MAG 1000 Power frequency magnetic field test equipment

No. 2499985

#### Included accessories

- MAG 1000 generator
- MAG 1000 Stand and antenna
- Manual & calibration certificate



## MAG 1000 SPECIFICATIONS

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
Battery life	> 16 hrs
Power consumption	17 VA
Generator Weight	1.7 kg

## OPTIONS AND ACCESSORIES

#### General accessories

Stand	Support for MSURGE coil	No. 2490031
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## ADDED SERVICES



SERVICES

- Pre- & After Sales Support
- Application Support
- Commissioning
- Warranty Extension
- Calibration (accredited & factory)
- Training and Seminars



## Global Presence

EUROPE  
HAEFELY AG  
Birsstrasse 300  
4052 Basel  
Switzerland

☎ +41 61 373 4111  
✉ [sales@haefely.com](mailto:sales@haefely.com)  
💻 [www.haefely.com](http://www.haefely.com)

CHINA  
HAEFELY AG Representative Office  
8-1-602, Fortune Street, No. 67,  
Chaoyang Road, Beijing 100025  
China

☎ +86 10 8578 8099  
✉ [sales@haefely.com.cn](mailto:sales@haefely.com.cn)  
💻 [www.haefely.com](http://www.haefely.com)

INDIA  
HAEFELY India Service Office  
C/o Pfiffner Instrument Transformers Pvt. Ltd.  
176, 178/2 Sarul, Viholi  
Nashik 422 010, India.

☎ +1 800 266 4052 (toll free)  
✉ [sales@haefely.com](mailto:sales@haefely.com)  
💻 [www.haefely.com](http://www.haefely.com)

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V2304



**HAEFELY**

Current and voltage – our passion

HV

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reliable.  
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