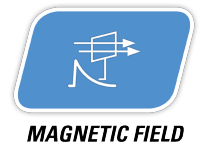


MAG 1000



*POWER FREQUENCY MAGNETIC
FIELD TEST EQUIPMENT*



HAEFELY

Current and voltage – our passion



SUMMARY

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 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, it is fully compliant with IEC 61000-4-8.

The MAG 1000 includes a 1m x 1m square, 90 turns antenna for the field generation.

FEATURES

- Up to 1100A/m field strength
- Sturdy construction
- Internal power supply
- Exactly as defined in IEC 10000-4-8
- 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:

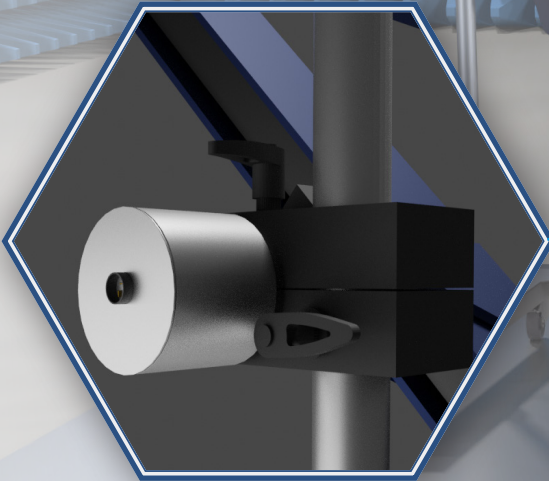
- IEC 61000-4-8
- EN 61000-6-1
- EN 61000-6-2
- and others



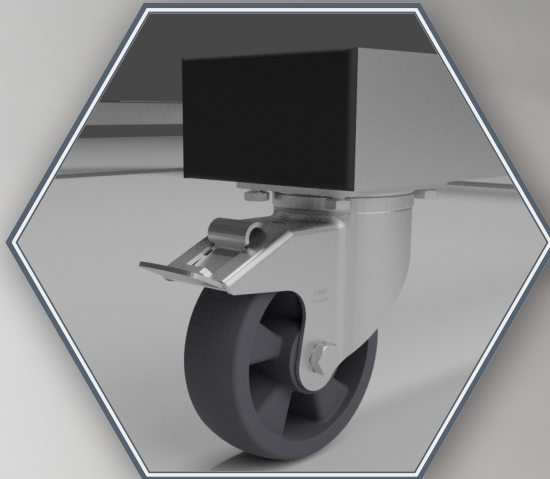
OVERVIEW



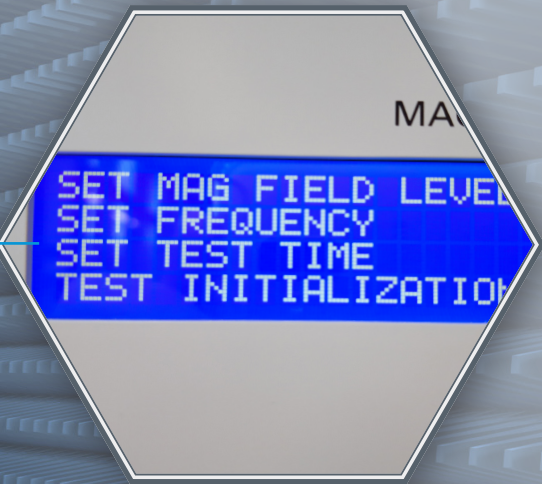
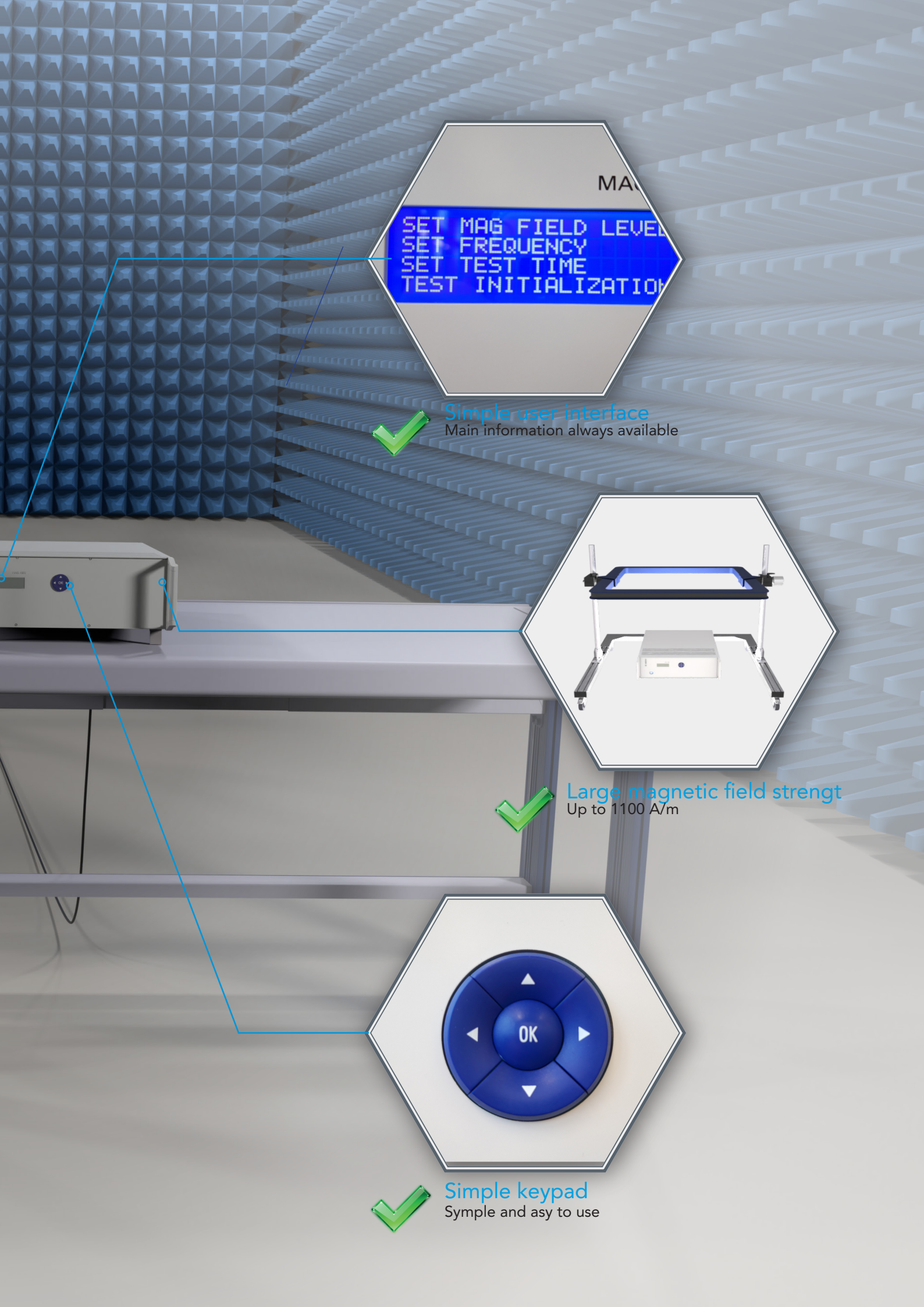
Single connection
Easy to setup



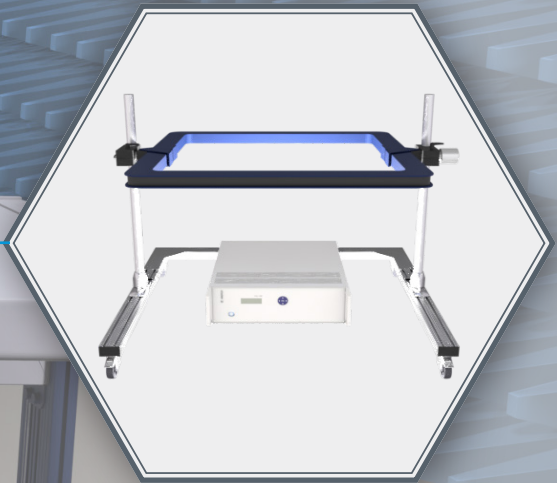
Mobile antenna
Easy to rotate and lift



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



Simple user interface
Main information always available



Large magnetic field strengt
Up to 1100 A/m



Simple keypad
Symple and asy 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
Weight	1.7 kg

OPTIONS AND ACCESORIES

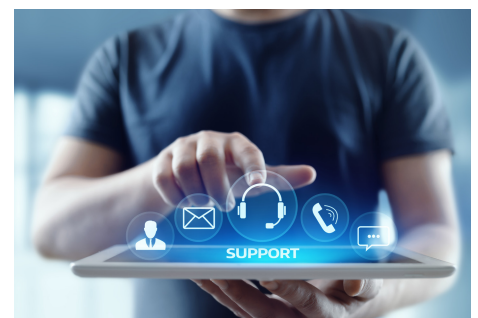
General accesories

Stand	Support for MSURGE coil	No. 2490031
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ADDED SERVICES



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



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Subject to change without notice.

V20.05



HAEFELY

Current and voltage – our passion

HV

HIGH VOLTAGE

IN

INSTRUMENT

EM

EMC

precision.
swiss made.