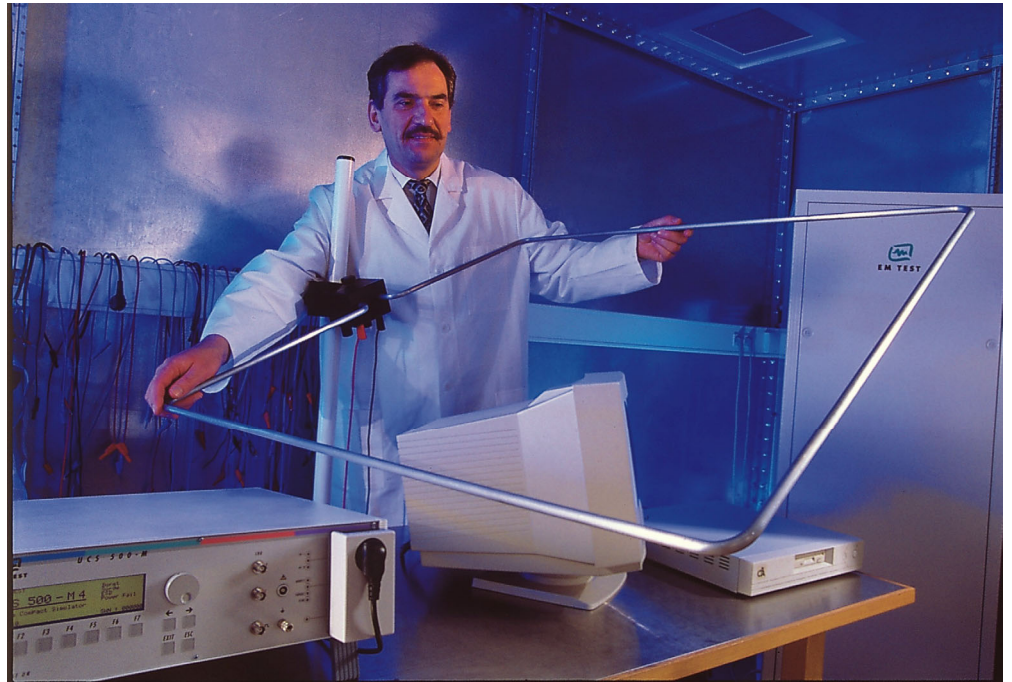


# Specification



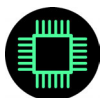
## Magnetic Field Test

Accessories for 50/60Hz, pulsed and  
Oscillatory Magnetic Fields

- IEC 61000-4-8
- IEC 61000-4-9
- IEC 61000-4-10

**The magnetic field coil MS 100 has a typical size of 1m x1m. It is designed to be used to generate magnetic fields as per various standards.**

**Appropriate current transformers are available for the generation of 50/60Hz magnetic fields.**



# Magnetic Field Test

## Magnetic Field Antenna type MS 100

MS 100	1m x 1m magnetic field antenna
Antenna factor	0.91/m
Nominal current	8/20 $\mu$ s pulse current up to 2000A 50/60Hz ac current - continuous 100A - short time for 3s 1000A
Connectors	Safety laboratory plugs for 8/20 $\mu$ s pulse current Safety laboratory plugs for ac currents up to 30A High current plugs for continuous ac current > 30A and for short time currents up to 1000A
Construction	Turntable for horizontal and vertical fields
Material	Aluminium



## Current transformer

These current transformers are used together with the Magnetic Field Antenna MS 100 to generate magnetic fields in the range from 1A/m up to 1000A/m. The current transformers are feeding the required ac current to generate the specified magnetic field in the centre of the MS 100.

Two different current transformers are available:

- MC 2630 to generate continuous magnetic fields up to 30A/m
- MC 26100 to generate continuous magnetic fields up to 100A/m and short time magnetic fields up to 1000A/m.

The transformers can be interchanged depending in which range the operator has to test.

Please use always the attached original connection cables. Your system was calibrated together with these cables and the equivalent transformation factors are part of the software.



MC 2630



MC 26100

Using other components the test set-up shall be re-calibrated and the equivalent factors shall be entered to the software. Changing the test set-up will require also a change of the factors (see paragraph 5.0, Verification).

Magnetic fields >500A/m needs 230V mains voltage for user with MV2616 motor variac. An external booster transformer (115V to 230V 10kVA) is necessary for 115V mains.

