



montena

Helmholtz Coil



These Helmholtz coils are designed to test the immunity of electronic equipment to magnetic fields, for instance according to European standards (CE) or to MIL-standards. The field is homogeneous for most of the volume and is sufficiently precise to calibrate magnetic field probes. The power generator and the associated equipment are proposed as an option.

SPECIFICATIONS

Type	HC100	HC30
Internal diameter	1 m	22 cm
Resonance frequency	660 kHz	500 kHz
Max. current (cont. / 1 min)	30 / 60 A	12 / 40 A
Coil factor	15.6 A/m / A	117 A/m / A
Field in the centre (1 min.)	≤ 940 A/m	≤ 4'700 A/m
Homogeneous zone (± 10 %)	0.5 x 0.5 x 0.5 m	14 x 14 x 14 cm
Dimensions (L x W x H)	1.1 x 0.6 x 1.1 m	34 x 20 x 34 cm
Weight	25 kg	6.6 kg
Homogeneity	± 10 %	
Linearity	< ± 1 %	
Construction type	non-magnetic	
Connectors	4 mm	

Other models are available on request, for instance for the test of watches.