



montena

Helmholtz Coil



This Helmholtz coils is specially designed to test the immunity of watches to DC magnetic fields, for instance according to ISO 764 or to NIHS 90-10. Strong AC fields can also be tested with this Helmholtz coil associated with a power signal generator and accessories (delivered as an option). The orientation of the coil can be very easily changed in order to test the 3 directions of the field.

SPECIFICATIONS

Coil type	HC11
Coil diameter	11 cm
Frequency range	DC - 230 kHz
Max. field in the centre	25 kA/m (or 31 mT or 310 G) in option: 230 kA/m (or 287 mT or 2870 G)
Maximum current	20 A (continuous) / 40 A (10 min.)
Temperature elevation	25 °C after 1 hour @ 10 A
Homogeneity inside the coil	± 8.5 %
Homogeneity	± 5 % (in a 5 x 5 x 5 cm volume)
Linearity	< ± 1 %
Construction type	non-magnetic (plastic)
Connectors	4 mm banana
Dimensions (L x W x H)	24 x 18 x 23 cm
Weight	7.5 kg

Other models are available on request (see the datasheet for standard Helmholtz coils).