



# 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

<b>Coil type</b>	<b>HC11</b>
<b>Coil diameter</b>	11 cm
<b>Frequency range</b>	DC - 230 kHz
<b>Max. field in the centre</b>	31 mT (310 G) in option: 380 mT (3'800 G)
<b>Maximum current</b>	20 A (continuous) / 40 A (10 min.)
<b>Temperature elevation</b>	25 °C after 1 hour @ 10 A
<b>Homogeneity inside the coil</b>	± 8.5 %
<b>Homogeneity</b>	± 5 % (in a 5 x 5 x 5 cm volume)
<b>Linearity</b>	< ± 1 %
<b>Construction type</b>	non-magnetic (plastic)
<b>Connectors</b>	4 mm banana
<b>Dimensions (L x W x H)</b>	24 x 18 x 23 cm
<b>Weight</b>	7.5 kg

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