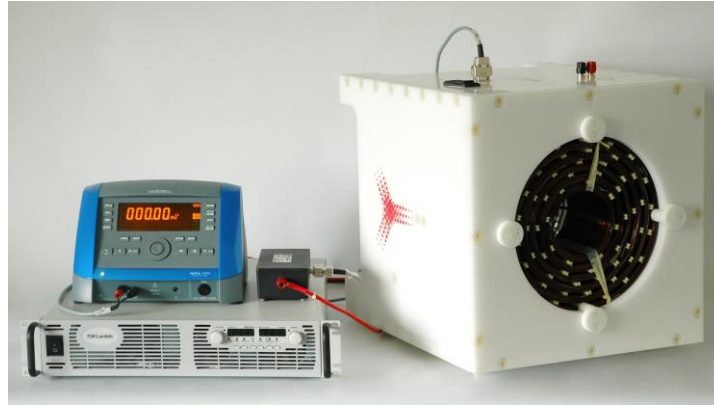
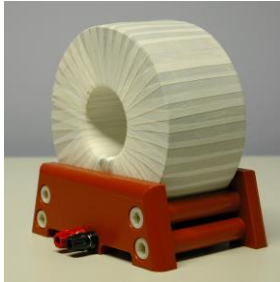




montena

Coils for High Field Intensity



These coils are 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 produced with these coils associated with a power signal generator and accessories (delivered as an option). Other small devices can be tested like electronic printed boards and magnetic field sensors. The model SC65 is adapted for short test duration and the SC100 has an efficient fan which allows continuous testing at high intensity. The coil SC100 is protected by a thermostatic switch at 60 °C.

SPECIFICATIONS

Coil type	SC65	SC100
Internal diameter	6.5 cm	11 cm
Frequency range	DC - 40 kHz	DC - 25 kHz
Max. field in the centre	290 kA/m (@ 60 A) (or 362 mT or 3'620 G)	275 kA/m (@ 60 A) (or 344 mT or 3'440 G)
Maximum current	60 A (1.5 min.)	60 A (2.5 min.) 30 A (continuous)
Temperature elevation	30 °C after 3 min @ 35 A	35 °C after 20 min @ 35 A
Homogeneity	± 5 % (in a 5 x 5 x 5 cm volume)	± 10 % (in a 8 x 8 x 8 cm volume)
Linearity	< ± 1 %	< ± 1 %
Coil factor	4.8 kA/m / A	4.6 kA/m / A
Connectors	4 mm banana	4 mm banana
Power supply (fan)	-	230 Vac / 230 W
Dimensions (L x W x H)	19 x 10 x 19 cm	42 x 40 x 42 cm
Weight	20 kg	58 kg

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