

MGA_HCR_50-25

Helmholtz Coil for DC current



A Helmholtz coil consists of two identical wound coils, which are electrically connected in series and placed symmetrically along a common axis. The special feature is the large homogeneity of the magnetic field in the middle between the two coils.

Helmholtz coil arrangements of greater complexity can produce interference fields in different spatial axes. If the geometry is fixed, the magnitude of the magnetic field is directly proportional to the number of windings and the applied current.

Technical Specifications	
Number of axis	1
External diameter [cm]	50
Internal Diameter [cm]	44
Distance between coils [cm]	25
Number of turns	56
Coil factor [m^{-1}] (typical)	151
DC Resistance [Ω] (typical)	0.33
Inductivity [mH] (typical)	5.4
Nominal current [A]	20
Weight [kg] (approx.)	40

Specifications may be changed without previous notifications

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