

## Helmholtz Coil

## TCXH1110



### As per

- > IEC61000-4-8
- > EN50121-4
- > GB/T17626.8
- > GB/T17215

### Description

Helmholtz coil is designed to produce standard magnetic field with wide applications. It can be used to calibrate Hall probe and different types of magnetometers, compensate geomagnetic field, judge magnetic shielding effect, measure radiated magnetic field and research material magnetic properties. It is featured with open space, easy to use, good linearity between magnetic field and supply current and broad uniform area for magnetic space. It can meet the requirements of IEC61000-4-8, GB/T17626.8, GB/T17215-2002 and GB/T15283-94. One-dimension, two-dimension and three-dimension combined magnetic field can be made according to needs.

### Features


- > 90°/180° rotation for direction
- > Internal test table for EUT
- > Continuous work, good reliability of output magnetic strength
- > Compatible AC/DC mains
- > Broad uniform area for magnetic field space
- > Good linearity between magnetic and current

### Industries

- |                 |                      |
|-----------------|----------------------|
| > Communication | > Technology         |
| > Telecom       | > Military           |
| > Medical       | > Avionics           |
| > Broadcast     | > New energy         |
| > Railway       | > Electrical Vehicle |

Technical parameters	
Magnetic strength	1A/m~1000A/m
	1.25μT~1500uT
Magnetic direction	90 °180 °
Test duration	1-100A/m continuous (1-400A/m optional)
	100-1000A/m(1-10s for a short time)
Coil turns	Number of turns
Coil size	1000mm (length) ×1000mm (width) ×540mm (space)
Temperature	15-55°C
Dimension	1540x1440x1040mm
Weight	Approx. 135kg

Optional simulators	
MFS 1200	Power frequency magnetic field simulator as per IEC 61000-4-8
MFS xxxAP	AC/DC (variable frequency) magnetic field disturbance simulator as per EN50121-4
APS xxCxx	Voltage variation simulator as per ISO11452-8
CCS 600	Combination wave simulator as per IEC 61000-4-8

Optional accessories		
Name	Helmholtz coil EUT table	
Model	HMXQ-00	
Table size	500*500mm	
Fall/Rise height	750/450mm	
Weight	Approx.10kg	



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