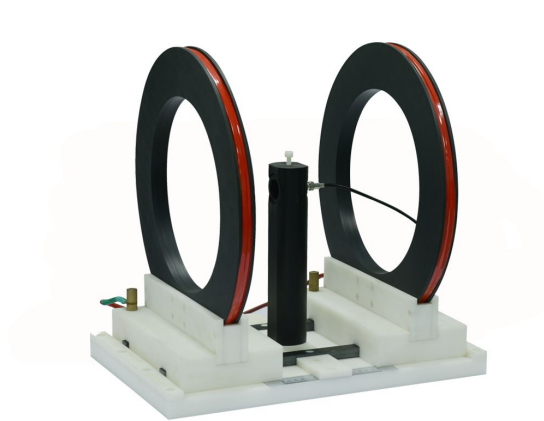


## Helmholtz coil

## HHS5024-12



### As per

- > ISO 11452-8
- > MI-STD-461F RS101

### Description

The magnetic field strength produced by Helmholtz coil HHS 5024-12 of 20cm semi-diameter can be calculated by current ( $H = 42.93 \times I$ ), or use sensor coil of 13.3 cm diameter (36-turn) to measure in the center. Helmholtz coil fully comply with MI-STD-461F RS101 and ISO 11452-8 standard for magnetic field immunity test.

### Features

- > low frequency magnetic field immunity test as per ISO 11452-8, frequency range: 15Hz – 150kHz
- > internal magnetic field calibration device

### Industries

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

Parameters	
Model	HHS5024-12
Max. current	60 A, 5 min.
Rated current	30 A continuous
coil space	200 mm, 250 mm, 300 mm
following data when the space is 200mm	
Max. magnetic field strength	2500 A/m, 5 min
Rated magnetic field strength	1288 A/m continuous
Magnetic field strength when coil current is 1A	42.93 A/m
Current	152.66 dB $\mu$ A/m
current needed for 1 A/m	23.29 mA
transfer factor between current and strength	32.66 dB/m
coil diameter	400 mm
size	0.38 m x 0.58 m x 0.42 m
frequency range	15 - 500 kHz
Inductance ( each coil ) :	120 $\mu$ H
Inductance ( a pair of coil ) :	240-260 $\mu$ H
resistance ( each coil ) :	47.5 mW
capacitance ( a pair of coil ) :	52 pF
Harmonic frequency ( a pair of coil )	> 1.4 MHz
weight	10.2 kg

accessories (included in the basic equipment)	
connection cable	2
calibrated clamp for magnetic field	1
calibration report	1
user manual	1



## CONNECT 3CTEST

### SUZHOU3CTEST ELECTRONIC CO., LTD

Unit 2, Anda Industrial park, Jinshan Rd, SND, Suzhou, 215011, China  
 Tel: +86-512-68413700/3800/3900  
 Fax: +86-512-68079795  
 Web: www.3ctest.cn  
 Email: info@3ctest.cn

### SHENZHEN OFFICE

Room 402, the 4th floor, Fuan Technology Building, No.13,  
 Nanshan Technology Park, 518053, Shenzhen, China  
 Tel: +86-755-86626625/ 86344313  
 Fax: +86-755-26966255

### HONGKONG OFFICE

One Commerce Center, 1201 Orange st, #600 Wilmington,  
 New Castle, DE19899, USA  
 Tel: +852-98289428  
 Email: protechk@protec-power.com Web: www.protec-power.com

### Europe: AR Europe

Yvonne McGlinchey  
 ymcglinchey@ARWorld.US  
 +353 61 504300  
 Address: First Floor Ashling Building, National Technology  
 Park, Limerick, Ireland

### BEIJING OFFICE

Room D206, D block, Keshi Building, No.28, Shangdixinni  
 Road, Haidian District, Beijing  
 Tel: +86-10-82899948/ 82899984  
 Fax: +86-10-82899943

### CHENGDU OFFICE

Room 516, Unit 3, Ideal Centre, No.38 Tianyi Street, SND,  
 6100085, Chengdu, China  
 Tel: +86-28-85327800/85327600  
 Fax: +86-28-85311400

### TAIWAN OFFICE

6F-5, No. 130, Ln. 235, Baoqiao Rd,  
 Xindian District, New Taipei City, 23145, Taiwan  
 Tel: +886-2-89121185  
 Email: rich.tec@msa.hinet.net