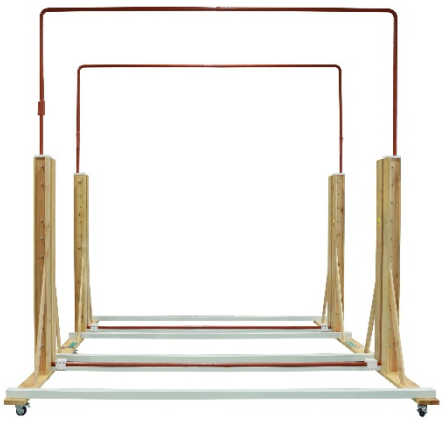

Helmholtz Coil

MCHF 4320

MIL-STD-464C

- GJB 1389B
- GJB 8848

Features

> Supports continuous operation with stable output magnetic field strength

> Fine linear relationship between magnetic field and current

> Features wide uniform magnetic field area

> Mobile design applicable to field tests

> High pulse field strength and fast pulse rise time

Introduction

The Helmholtz coil MCHF 4320 complies with MIL-STD-464C, GJB 1389B and GJB 8848.

It generates standard magnetic fields and has wide applications, including calibration of Hall probes and magnetometers, geomagnetic field compensation, magnetic shielding effect evaluation, spatial radiation magnetic field measurement and elimination, as well as research on material magnetic properties.

Application Areas

Technical Parameters

Max. Magnetic Field Strength	3,200 A/m
Max. Coil Current	10,000 A
Max. Magnetic Field Slew Rate	2.2×10^9 A/m/s（10% ~ 90% peak range）
Normalized Coil Factor	0.16
Total Turns	2
Coil Side Length	4,000 mm
Coil Spacing	2,180 mm
Total Coil Inductance	⩽ 50 μH
DC Resistance	⩽20 mΩ
Weight	Approx. 300 kg

SUZHOU 3CTEST ELECTRONIC CO., LTD.

Address: No. 99 E'meishan Road, SND, Suzhou, Jiangsu Province, China
E-mail: globalsales@3ctest.cn
Service: service@3ctest.cn
Tel: +86 - 512 - 68077192
Web: www.3c-test.com