

# Helmholtz Coil

## TYXH 06300



ISO 11452-8

### Features

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- > Stable output magnetic field strength
- > Aluminum profile support structure

### Introduction

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The TYXH 06300 Helmholtz coil complies with ISO 11452-8:2015 and is used to generate DC magnetic fields for low-frequency magnetic field immunity testing.

### Application Areas

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### Technical Parameters

|                              |                    |
|------------------------------|--------------------|
| Frequency                    | DC                 |
| Max. Coil Current            | 20 A               |
| Max. Magnetic Field Strength | 3,000 A/m          |
| Coil Factor                  | 152                |
| Diameter                     | 600 mm             |
| Overall inductance           | ≤15 mH             |
| DC Resistor                  | ≤1.6 Ω             |
| Output Interface             | 4 mm banana socket |

### General Parameters

|           |                                |
|-----------|--------------------------------|
| Dimension | 640 (W) * 700 (H) * 610 (D) mm |
| Weight    | Approx. 30 kg                  |

### Standard Accessories

|             |
|-------------|
| User Manual |
|-------------|

### Optional Accessories

|   |                         |                                                                                                                                                                                                          |                                                                                       |
|---|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 1 | Ripple Signal Generator | Model: RSG 40C20S<br>Max. open-circuit voltage: 40 V <sub>p</sub><br>Overcurrent protection peak current: 20 A<br>Frequency: DC ~ 300 kHz                                                                |  |
| 2 | Immunity Test Software  | Model: AutoLab<br>> Support Windows 7/8/10 /11<br>> Supports parameter sequence, test sequences, easy for operation<br>> Supports customer information configuration and automatic test report printing. |  |

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