

# Magnetic Field Coil

## TFX 140



■ IEC/EN 61000-4-8

■ GB/T 17626.8

### Features

- >  $0^{\circ} \sim 90^{\circ}$  adjustable magnetic field direction during testing
- > Vertically adjustable height
- > Magnetic field frequency  $0 \sim 180$  Hz
- > Stable output magnetic field strength
- > Aluminum profile support structure

### Introduction

The TFX140 Magnetic Field Coil is a highly reliable test coil specially designed for magnetic field immunity testing of electrical and electronic products. It complies with the relevant requirements of IEC 61000-4-8 and GB/T 17626.8.

The TFX140 coil provides a reliable test reference for EUT during power frequency magnetic field immunity testing. Combined with the MFS 400AP Variable Frequency Magnetic Field Immunity Simulator, it can simulate magnetic field environments found in residential areas, commercial areas, industrial facilities, power plants, and medium/high-voltage substations.

### Application Areas



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**Technical  
Parameters**

|                          |                                             |
|--------------------------|---------------------------------------------|
| Magnetic Field Strength  | 1 A/m ~ 400 A/m, 1.26 $\mu$ T ~ 504 $\mu$ T |
| Magnetic Field Direction | 0° ~ 90°                                    |
| Test Duration            | Support continuous operation                |
| Magnetic Field Frequency | 0 ~ 180 Hz                                  |

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**General  
Parameters**

|                     |                                                       |
|---------------------|-------------------------------------------------------|
| Overall dimension   | 1,800 (L) * 700 (W) * 1,600 (H) mm, adjustable height |
| Coil dimension      | 1,000 * 1,000 mm                                      |
| Ambient temperature | 15°C ~ 35°C                                           |
| Package dimension   | 1,500 (L) * 1,200 (W) * 500 (H) mm                    |
| Weight              | Approx. 80 kg                                         |

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