



Large Power Frequency Magnetic Field Simulator **MFS 1200AS2250**

- IEC/EN 61000-4-8
- GB/T 17626.8

Features

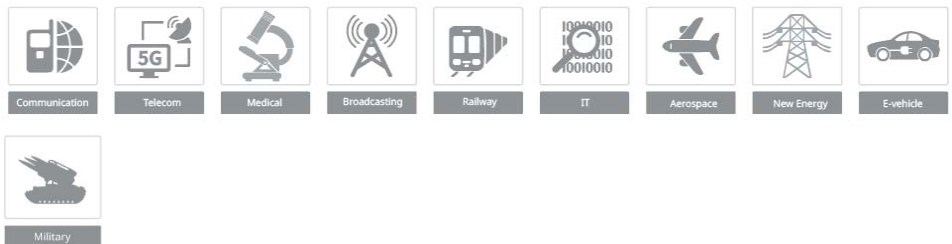
- > 5.7-inch color touch screen front panel operation
- > Overvoltage and overcurrent protection
- > Over-temperature protection

Introduction

The MFS 1200AS2250 Large Power Frequency Magnetic Field Simulator is a highly reliable test instrument specially designed for power frequency magnetic field immunity tests on medical electrical equipment and medical electrical systems. It complies with IEC/EN 61000-4-8 and GB/T 17626.8 standards.

It can simulate magnetic field environments of residential areas, commercial zones, industrial and mining enterprises, power plants, as well as medium and high-voltage substations.

Application Areas



Technical Parameters

Magnetic Field Strength	TCXS 1125 1 m* 1 m square magnetic field coil; Continuous: 1 A/m ~ 100 A/m; Short-term (1 s ~ 10 s): 100 A/m ~ 1,200 A/m
	TCXS 2250 2 m* 2 m square magnetic field coil; Continuous: 1 A/m ~ 100 A/m; Short-term (1 s ~ 10 s): 100 A/m ~ 1,000 A/m
Current Waveform	50 Hz / 60 Hz sine wave
Total Current Harmonic Distortion (THDc)	< 5%
Waveform Interval Time	1 s ~ 9,999 s
Test Duration	1 s ~ 28,800 s
Trigger Mode	Manual, Auto, External Trigger
Magnetic Coil Dimensions	1 m* 1 m, 2m* 2m
Coil Shape	Rectangular
Coil Test Direction	90°/180°

General Parameters

Display Screen	5.7" TFT touch screen
Working Power	AC 110 V/220 V, $\pm 10\%$, 50/60 Hz
Fuse	6 A
Max. Power Consumption	100 W
Grounding Method	Flat grounding wire
Working Status Indication	LED indication and LCD display in front panel
EUT Power Voltage Injection	Cabinet type, single-phase 380 V AC/63 A industrial socket
Trigger Output	Standard 1m coaxial cable
Dimension	35U rack
Weight	Approx. 100 kg
Atmospheric Pressure	86 kPa ~ 106 kPa
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45% ~ 75%

Coil Parameters

TCXS1125	Magnetic field strength: 1 A/m ~ 1,200 A/m
	Dimensions: 1,320(L) * 180(W) * 1,040(H) mm
TCXS2250	Magnetic field strength: 1 A/m ~ 1,000 A/m
	Dimensions: 2,340(L) * 2,060(W) * 300(H) mm

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