

DC Magnetic Field Immunity Simulator **MFS 1000D**



■ BS EN 12895

— Features

- > 5.7-inch color TFT touchscreen front panel operation
- > Magnetic field strength: 1 A/m ~ 1,000 A/m

— Introduction

The MFS 1000D is a DC magnetic field immunity simulator complies with BS EN 12895. It is designed for DC magnetic field immunity testing of industrial trucks.

— Application Areas



Technical Parameters

Magnetic Field Strength	1 A/m ~ 1000 A/m
Current Distortion Factor	<8%
Waveform Repetition	1 s ~ 9,999 s
Test Duration	1 s ~ 28,800 s @ 1 A/m ~ 100 A/m 10 s @ ≥ 100 A/m
Trigger Mode	Automatic, external signal trigger
Coil Dimension	3,000 mm*3,000 mm
Coil Shape	Rectangular
Magnetic Field Direction	Axial (180°), transverse (90°)
Coil Turns	60 turns

General Parameters

Display Screen	5.7-inch TFT touch screen
Working Power	110 V/220 V, $\pm 10\%$, 50/60 Hz
Max. Power Consumption	200 VA
External Trigger Input	BNC, 5 V TTL
Operation Control Input	BNC, 5 V TTL
Warning Lamp Output	0 ~ 220 V AC 10 A
Safety Circuit	Stop operation if safety circuit opens
Failure Detection	Fault indication on front panel LCD and automatic shutdown
Working Status Indication	Front panel LED indication and LCD display
Grounding Method	Flat grounding wire
Test Voltage Injection	AC 380 V/32 A industrial circular connector
Dimension	22 U rack
Weight	Approx. 130 kg
Ambient Temperature	15 °C ~ 35 °C
Relative Humidity	45% ~ 75%
Atmospheric Pressure	86 kPa ~ 106 kPa

Standard Accessories

Test Cable, User Manual, Grounding Wire, Circular Connector Test Cable, 3-core Power Cord, Fuse

Optional Accessories

Magnetic Field Coil TCXS 3360

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