

## DC Magnetic Field Disturbance Simulator

## MFS 1000D

### Datasheet



#### In Compliance with

> BS EN 12895:2015

#### Introduction

The DC magnetic field disturbance simulator MFS 1000D is designed in accordance with BS EN 12895:2015 on the basis of new control platform. It mainly used in the immunity test to external electromagnetic fields of industrial truck.

#### Features

- > 5.7" color touch screen front panel;
- > Magnetic field strength: 1 A/m ~ 1000 A/m;

#### Application Areas

- > Industrial trucks

Technical Parameters	
As per Standards	BS EN 12895:2015
Magnetic Field Strength	1 A/m – 1000 A/m
Current Distortion Rate	< 8%
Pulse Interval	1 s - 9,999 s
Test Duration	1 A/m ~ 100 A/m: continuous from 1 s to 28,800 s; ≥100 A/m: continuous for 10 s
Triggering Mode	Automatic, manual or external signal triggering
Coil Dimension	3,000*3,000 mm
Coil Shape	Rectangle
Test Direction	90°/180°
Coil Turns	60-turn

Accessories
User Manual, aviation connector test line, 3-core power line, test line, earth line, fuses (spare parts)

Options
Magnetic field coil TCXS 3360

General Parameter	
Display screen	5.7" TFT touch screen
Operating power supply	110 V / 220 V, ±10%, 50/60 Hz (AC 220 V 50 Hz by default)
Max. Power consumption	200 W
External Trigger Input	BNC, 5 V TTL
Running Control Input	BNC, 5 V TTL
Warning Light Output	0-220 V AC 10 A
Safety Circuit	Work will be stopped when safety circuit is open
Failure Detection	The failure information will be displayed on LCD in front panel when failure occurs and interrupt the working of instrument.
Working Status Indication	LED indication and LCD display on front panel
Earthing Mode	Flat earth line
Working power	380 VAC/32 A
Dimension	22U
Weight	Approx.130 kg
Operating temperature	15 °C~ 35 °C
Operating humidity	45%–75%
Operating air pressure	86 kPa – 106 kPa



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