

Variable-Frequency Magnetic Field Immunity Simulator

MFS AP Series

Datasheet



In Compliance with

- > IEC/EN 61000-4-8
- > GB/T 17626.8
- > GB/T 17215
- > GB/T 17883
- > EN 50121-4

Introduction

The variable-frequency magnetic field immunity simulator MFS AP series is designed to conduct magnetic field immunity test of electrical and electronic products with high reliability as per IEC/EN 61000-4-8. It can offer accurate reference for EUT during power frequency magnetic field immunity test. It is mainly to simulate the magnetic environment in residence, commercial and industrial district, power station, and low and high substation.

Features

- > 5.7" color touch screen front panel;
- > Fully in compliance with IEC 61000-4-8 test requirements;
- > Electromagnetic relay protection with voltage/current higher than rated values;
- > Over-temperature protection;
- > Test sequencing via control software AutoLab;
- > Ethernet RJ45 for PC remote control;
- > Easy test report generation;

Application Areas

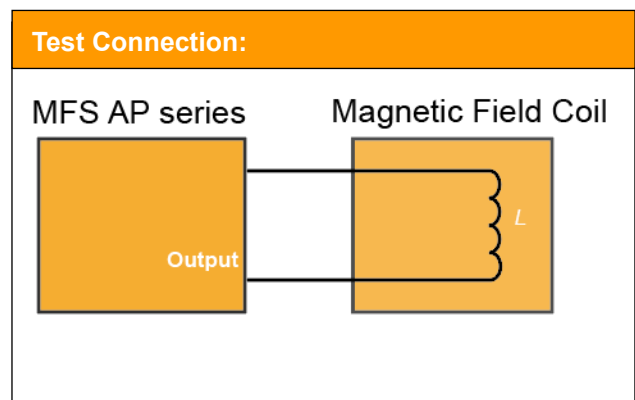
- > Automotive
- > Healthcare
- > Railway
- > Military
- > New energy Electricity
- > New energy automotive
- > Telecom
- > Broadcasting
- > IT
- > Avionics

Technical Parameters	
Max. Output Value of Simulator	±60 V, ±30 A
Magnetic Field strength	TYX 130 (0-300 A/m 0-240 Hz) TYX 150 (0-500 A/m 0-65 Hz) TYX 180 (0-800 A/m 0-65 Hz) TFX 180 (0-800 A/m 0-65 Hz) TYX 1100 (0-1000 A/m 0-50 Hz)
Tolerance	<10%
Magnetic Field	Adjustable frequency, 400 Hz is customized
External Sync.	0-359°, resolution 1°
Current Distortion	<5%
Pulse Interval	1-9999 s
Test Duration	1-28800 s
Coil Shape and Dimension	Magnetic Coil or Helmholtz Coil Rectangular coil (1 m×1 m) or round coil (φ1 m)

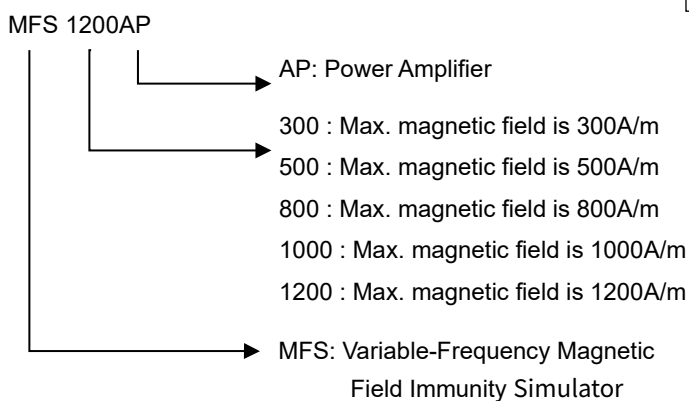
General Parameter	
Display screen	5.7 inch TFT touch screen
Operating power supply	110 V / 220 V, ±10%, 50/60 Hz (AC 220 V 50 Hz by default)
Fuse	6 A
Max. Power consumption	100 W
Memory space	Infinite (PC)
External Control Mode	D-sup 25 pin
Working Status Indication	LED indication and LCD display on front panel
Grounded Mode	Green-yellow grounded line
Dimension	19 inch/6U/4U
Weight	Approx. 28 kg
Operating temperature	15–35 °C
Operating humidity	45%–75%
Operating air pressure	86 kPa – 106 kPa

Optional Accessories	
Magnetic Coil	TYX 130 (300 A/m) TYX 150 (500 A/m) TYX 180 (800 A/m) TFX 180(0-800 A/m) TYX 1100 (1000 A/m)
Helmholtz Coil	TYXH 130 (300 A/m) TYXH 150 (500 A/m) TYXH 180 (800 A/m) TYXH 1100 (1000 A/m)

Standard Accessories
Power supply cable, EUT power supply cable, Network cable, Power cord, Grounding wire 5 meters, Factory test report, Warranty report, User manual



Naming Rule:





SUZHOU 3CTEST ELECTRONIC CO., LTD.

Add.: No. 99 E'meishan Road, SND, Suzhou, Jiangsu Province, China

Tel: +86 (0)512 6807 7192 Fax: +86-512-68079795

Sales Email: globalsales@3ctest.cn Service Email: service@3ctest.cn

www.3c-test.com

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