



Surge Pulse Magnetic Field Simulator

PMF 120

- IEC/EN 61000-4-9
- GB/T 17626.9

Features

- > 5.7-inch color touch screen front panel operation;
- > Test the orchestration function;
- > Ethernet and RJ45 interfaces, used for PC remote control and printing test reports.

Introduction

PMF 120 is an intelligent surge pulse magnetic field testing equipment specially designed for the characteristics and requirements of pulse magnetic field immunity testing according to international standards and various product standards. The maximum test magnetic field strength can reach 1200A/m.

Meet the anti-interference testing requirements of the tested equipment for EU CE certification and CCC certification. Fully automatic control is achieved through touch screen operation. We provide you with various testing accessories to meet the application needs of various test subjects.

Application Areas



General Parameters

Display	5.7-inch TFT touch screen
Scope of Working Power Supply	100 ~ 264 V AC, 47 ~ 63 Hz
Fuse	6 A
Maximum Power Consumption	300 W
Communication Method	Ethernet LAN
External Control Mode	25 needle parallel thread
External Trigger Input	BNC, 5V TTL
CRO Triggers Output	BNC, 5V TTL
Operation Control Input	BNC, 5V TTL
Pulse Triggering Method	Manual, automatic, externally triggered
External Synchronous Input	20 ~ 400 V, 45 ~ 65 Hz
Warning Light Output	Multi core connector output, matched with external alarm light module (optional)
Safety Circuit	Short circuit of safety loop, stop working when the safety loop is open circuit
Failure Detection	When it fails, the front panel LCD displays and interrupts the instrument's operation
Instrument Working Status Indication	LED indication, LCD display
Instrument Grounding Connection Method	Use a flat grounding wire
Chassis Size	6U L * W * H: 620 * 450 * 280 mm
Instrument Weight	About 50 kg
Environmental Scope	15°C ~ 35°C
Pressure Range	86 kPa ~ 106 kPa
Humidity Range	45% ~ 75%

IEC-61000-4-9 Pulse Magnetic Field Test

Magnetic Field Strength (1*1 m coil)	100 A/m ~ 1200 A/m
magnetic Field Strength (1*2.6 m coil)	100 A/m ~ 880 A/m
Coil Waveform (1*1 m Single Turn)	8 μ s(+ 2.4 μ s /- 0.8 μ s), 20 μ s(+ 6 μ s/-2 μ s)
Coil Waveform (1*2.6 m Single Turn)	8 μ s(+ 3.2 μ s/- 0.8 μ s), 20 μ s(+ 8 μ s/-2 μ s)
Test Interval Time	5 ~ 99 s(the shortest depends on the magnetic field strength)
Number of Experiments	1~999 times
Experimental Mode	Optional scheduling mode
Polarity	Positive, negative, first positive and then negative
Magnetic Field Coil Size	1 m x 1 m, other
Shape of Magnetic Field Coil	Rectangle, other



Standard Accessories

Power Cord, Fuse, Test Wire, Grounding Wire, Instruction Manual

Optional Accessories

Magnetic Field Coil	Model: TCXS series	
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Testing and Measurement Selection Guide List

Broadband Current Monitoring Clamp	Model: CM 0220M	
Immunity Testing Software	Model: CoreLab	

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