

PFM 1200 Power Frequency Magnetic Field Generator

Overview

Power frequency magnetic field is generated by the power current in the conductor, or (very little) by the attachment of other devices (such as the transformer leakage flux). Power frequency magnetic field may affect the reliable operation of equipment and systems. The power frequency magnetic field generator mainly simulates the magnetic field environment of residential, commercial, industrial, mining enterprises and power plants, as well as medium and high substations. It is used to evaluate the performance of household, commercial, industrial electrical and electronic equipments under the frequency field (continuous or short) magnetic field. Products fully meet the IEC61000-4-8 and other latest standards.

Standard and basis of product designing & manufacturing

- GB/T 17626.8
- IEC/ EN 61000-4-8: Testing and measurement techniques – Power frequency magnetic field immunity test

Power supply

- Input voltage: AC220V ($\geq 150W$)
- Frequency: 50/60Hz
- Coupling/ decoupling network: single-phase three-wire (L-N-PE)
- Voltage resolution: 1V
- Voltage harmonic distortion $\leq 5\%$

Environment

- Indoor use
- Altitude not exceeding 1000metres
- Ambient temperature $15^{\circ}C \sim 35^{\circ}C$
- Relative humidity no more than 85%
- No conductive dust, no fire or explosion hazard, no corroding metal or insulating gas, sine wave voltage waveform, waveform distortion rate $\leq 5\%$
- Earthing resistance not more than 0.5Ω

Features

- Fully Compliant with latest Standards IEC/ EN 61000-4-8
- User friendly 7" Touch Panel Display
- Support multi-language & facilitate users
- Built-in environment self-test program
- Programmable operation
- RS232 interface, PC control operation & printable test report



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Picture**Technical data**

Model	PFM 1200
Magnetic field strength	0A/m~1200A/m (continuously adjustable)
Current waveform	50/60Hz, sine wave
Interval	1~ 9999s
Current distortion rate	<5%
Working mode	Current range during continuous work: 1A~500A, 1~9999s
	Current range during short working time: 500A~1200A, 1~5s
Operating mode	Auto/ Manu
Power supply	AC220V 50/60Hz
Ambient temperature	15 °C -35 °C



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