

AC Magnetic Field Generators

AMS-8003 / 8006 / 8010 【Introduction】

Technical Features

The AC magnetic field generator of the MFA Series Magnetic Field Testing System is primarily used to provide a stable and frequency-adjustable AC signal to the coil.

- ◆ It adopts advanced Direct Digital Synthesis (DDS) waveform generation technology, featuring high frequency stability and excellent continuity.
- ◆ It includes an embedded intelligent PC monitoring system.
- ◆ The output frequency ranges from 45 to 120 Hz, with a step of 0.1 Hz (expandable to 16.5 Hz to 400 Hz).
- ◆ It has an output current limiting protection function.
- ◆ It features an RS232 communication interface.
- ◆ Protection modes include overvoltage, overcurrent, overload, short circuit, and current limiting.
- ◆ It can be controlled by a host computer for precise output.

Parameter List

Specification Model	AMS-8003	AMS-8006	AMS-8010
Power	3 kVA	6 kVA	10 kVA
Current	25 A	48 A	84 A
Voltage	120 V	120 V	120 V
Magnetic Field Strength	1000 A/m(MFA-101) 600 A/ m(MFA-201)	1600 A/m(MFA-101) 1200 A/ m(MFA-201)	1600 A/m
Dimensions	430*460*177 mm	430*460*177 mm	430*550*765 mm
Weight	30 kg	50 kg	80 kg