

Magnetic Field Coil

SC-300 【Introduction】



The SC-300 Magnetic Field Coil, in conjunction with the power frequency magnetic field generator module, can meet the testing requirements for power frequency magnetic fields. When paired with the pulse magnetic field generator module, it satisfies the testing needs for pulse magnetic fields. Additionally, when coupled with the damped oscillatory wave testing module, it fulfills the testing requirements for damped oscillatory wave magnetic fields. It can achieve testing specifications of 1000 A/m for power frequency magnetic fields and 2000 A/m for pulse magnetic fields. The device is compact, lightweight, and convenient for portability.

Compliance Standards

IEC 61000-4-8 、 IEC 61000-4-9 、 IEC 61000-4-10 、 GB/T 17626.8 、 GB/T 17626.9 、 GB/T 17626.10

Application Fields

Industrial Equipment, Electrical Instrumentation, Automotive Electronics, Medical Devices, Lighting Fixtures, Communication Transmission, Audio and Video Equipment, Low-Voltage Electrical Appliances, Electronic Components, Electric Tools, Information Technology Equipment, Railway Transportation, Aerospace Electrical Appliances, Instrumentation and Meters.

Parameter List

Specification	SC-300
Interference Type	Power Frequency Magnetic Field Immunity Pulsed Magnetic Field Immunity Damped Oscillatory Wave Magnetic Field Immunity
Magnetic Field Intensity	1 ~ 100 A/m(long duration); 100 A/m ~ 1000 A/m(short duration)1 ~ 5 s

Coil Size	1 m*1 m
Coil Material	short duration
Number of Coil Turns	Single turn
Weight	10 kg
Temperature	15°C~ 35°C (Operating Conditions)
Humidity	30% ~ 60%(Operating Conditions)
Atmospheric Pressure	86 kPa ~ 106 kPa
Standard Accessories	Main Unit, Connecting Cable, Test Report, User Manual