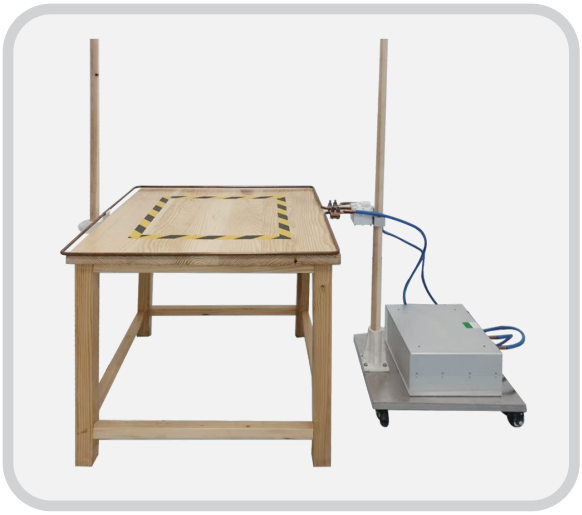
GLOBAL
ENGINEERING SERVICES CORP

POWER FREQUENCY MAGNETIC FIELD TEST SYSTEM

Power Frequency Magnetic Field Test System 1313-S1-120AT-1M



To be used for EMC Tests requiring AC Magnetic Fields Power frequency magnetic fields are generated by AC current flowing in conductors. The normal 50/60Hz mains power cord is a good example, although currents with other frequencies may be present dependant on the application. Magnetic fields, may interfere with equipment operated in close proximity. Typical EUTs are monitors of all kinds.

> 1313-S1-120AT current transformer(Right), 1mx1m coil 1313- S1-1M(Left) mounted on support stand.

Features

> Up to 110A/m Field Strength
> Different Coil Sizes Available
> Exactly as Defined in IEC 1000-4-8
> Sturdy Construction
> Horizontal and Vertical Testing Possible
> Manufactured According ISO 9001

One Solution

For
> IEC 61000-4-8
> EN 61000-6-1
> EN 61000-6-2
All EN Product Standards and Many Other Applications.

Technical Specification

All specifications are subject to change without notice.
All values are typical, unless specified.

Input Voltage Range	0-230V	Maximum Eut Size	0.6 x 0.6 x 0.5m
Output Voltage Range	0-1.2V	Max Field 1m x 1m Coil	110 A/m
Output Current Range 1	0-13A	Input Connection	10A IEC
Output Current Range 2	0-130A	Weight	Approx.17kg

1313-S1-120AT-1M has a 1m x 1m square, single turn coil. A current of 120A is needed to feed the coil to produce a field of 100A/m. 1313- S1-120AT-1M includes a current transformer capable of delivering 120A from a low current source.

Magnetic field strength is defined at the center of a coil with ±3dB variation. Magnetic field is orthogonal to the coil plane. Coil dimensions define the maximum EUT size as being 0.6m x 0.6m x 0.5m.

1313-S1-120AT-1M can be used for both vertical and horizontal plane testing, by simply rotating the coil antenna in its mounting on the stand.1313- S1-120AT-1M can be used for both transient mode and continuous mode testing.