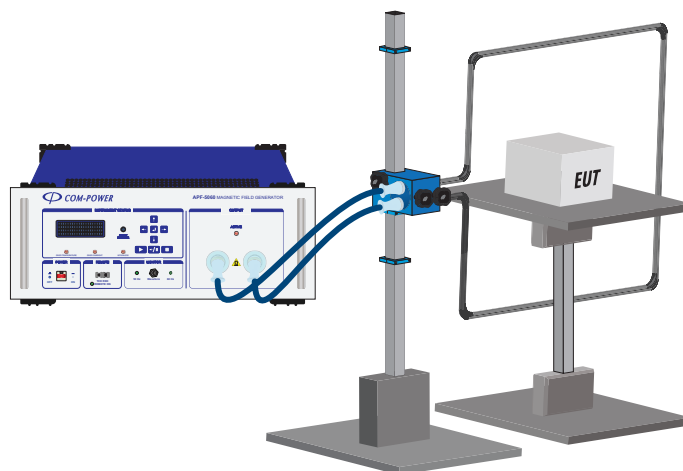


Features

- Turnkey Solution for Power Frequency Magnetic Field Immunity Testing per IEC 61000-4-8
- 50/60 Hz Test Frequencies
- 1 A/m to 100 A/m Continuous
- Includes Variable-height Antenna Mounting Structure and EUT Stand
- Three-Year Warranty



Description

The **APF-5060** Magnetic Field Generator, combined with the **APF-5060-11** Inductive Coil, Antenna Positioner and EUT Stand provide a complete, turnkey test system for performing power frequency magnetic field immunity tests according to IEC 61000-4-8.

The generator features an intuitive, easy-to-use front panel interface with LCD display, through which the user is able to start, pause or stop the test, and set the parameters of the test:

Test Parameter	Value Range	Adjustment Increment
TestLevel	1 to 100 A/m	1 A/m
Test Frequency	50 or 60 Hz	-
Coil Factor (C.F.)	0.01 to 99.99	0.01
Test Duration (hh:mm:ss)	0:00:01 to 10:59:59	0:00:01

Based on the set parameters, the generator automatically sets the appropriate current supplied to the inductive coil and performs the test.

The non-metallic antenna positioner allows for easy mounting, adjustment of height and orientation of the inductive loop coil (radiating antenna) without disturbing the field.

The non-metallic EUT stand is supported by a single, centrally located post, which allows the vertically oriented loop coil to encompass the EUT.

System Components

The system includes with the following items:

- ✓ **APF-5060** Magnetic Field Generator
- ✓ **APF-5060-11** 1m x 1m Inductive Standard Coil
- ✓ **APF-5060-ANTPOS** Antenna Positioner
- ✓ **APF-5060-COILSTND** Antenna Stand with 1.5 meter boom
- ✓ **APF-5060-EUTSTND** EUT Stand
- ✓ (2) 1-meter Output Cables for connection of the inductive coil to the generator output port
- ✓ (2) Boom Clamps to be used as stoppers for antenna positioner

The following items are optionally available:

- ✓ **APF-5060-126** 1m x 2.6m Inductive Standard Coil
- ✓ **APF-5060-126G** 1m x 2.6m Inductive Coil with provisions for connection to ground plane

Calibration

The APF-5060 Magnetic Field Generators are individually calibrated in compliance with the relevant requirements of IEC 61000-4-8, and is provided with calibration data and certificate, traceable to NIST.

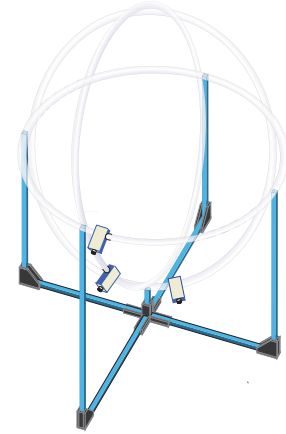
Recognized ISO 17025 accredited calibration is also available upon request.

Specifications

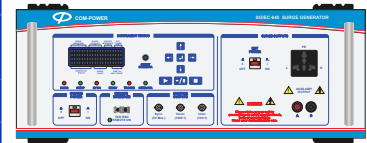
GENERAL	
Application	Power Frequency Magnetic Field Immunity Testing
Standard(s)	IEC 61000-4-8
Output Frequencies	50/60 Hz
Magnetic Field	1 A/m to 100 A/m (adjustable in 1 A/m increments)
Total Harmonic Distortion	≤8%
Coil Factor	0.01 to 99.99
Test Duration (hrs/min/sec)	00:00:01 to 10:59:59 (adjustable in 1 second increments)
ELECTRICAL	
AC Input Power	100-250 Volts AC, 50/60 Hz 300 Volt-Amp (maximum)
INPUT/OUTPUT CONNECTORS	
Waveform Output Connector	BNC (female)
Test Output Connectors	(2) Superior Electric RS100GBL SUPERCON Socket Receptacles
AC Input Connector	IEC C13 Inlet Plug
ENVIRONMENTAL	
Operating Temperature	40° F to 104° F (5° C to 40° C)
Cooling	Forced Air
MECHANICAL	
Dimensions (H) x (W) x (D)	7.75" x 19" x 19.3" (19.7 cm x 48.3 cm x 49 cm)
Rack Mount Dimensions (top/bottom feet removed, not including front handles)	(4U) 7" x 19" x 18.3" (17.8 cm x 48.3 cm x 46.5 cm)

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

Also Available from
Com-Power...



ALT-930-2M
Triple Loop Antenna
9 kHz to 30 MHz



SGIEC-645
Surge Generator
1.2/50 μs, 8/20 μs Combination Wave
10/700 μs, 5/320 μs Combination Wave

