

Features

- **Laser Power for Unlimited Test Time**
- **Frequency Range: 10 MHz - 40 GHz**
- **Dynamic Range: 2.0 - 800 V/m (single range)**
- **Reads/Displays Individual Axis and Summed Axis Values**
- **Operates with ProbeView Laser Software or Most 3rd Party Immunity Packages**
- **Suitable for Commercial Specs:**
 - EN/IEC 61000-4-3 Radiated Immunities
- **Suitable for Military Standards Specs:**
 - MIL-STD 461E Radiated Susceptibility (RS)
 - DO-160
- **Suitable for Automotive Specs:**
 - SAE J1113/27
 - GM9120P

LaserPro[™]
LASER POWERED PROBES



ETS-Lindgren's Model HI-6153 Electric Field Probe

ETS-Lindgren's HI-6153 Electric Field Probe provides broadband EMF frequency coverage and wide dynamic range that satisfies the demands of most test requirements. To take advantage of this capability, the HI-6153 was designed to be single range reading so data can be read continuously over the entire dynamic range. Data values for each axis (X, Y, Z) can be read individually, or summed.

The isotropic deviation (isotropy) of the HI-6153 is near ideal. This means the HI-6153 makes accurate field intensity measurements regardless of its orientation to the field of interest.

Fiber optic signal and power lines link the Model HI-6153 probe to either the Model HI-6100 Field Monitor, or as a

direct connect to a PC with the HI-6113 Laser Data Interface and ProbeView Laser Software.

The HI-6100 provides manual functions and programmed control via IEEE-488 and RS-232 Serial Data Interfaces. Readings from up to four probes can be displayed simultaneously with the HI-6100, and can be any combination of battery of laser powered probes.

The HI-6113 Laser Data Interface provides the laser power and communications for the HI-6153 Electric Field Probe. A USB port to the PC allows for quick and easy data collection, using ProbeView Laser software.

Standard Configurations

HI-6153USB

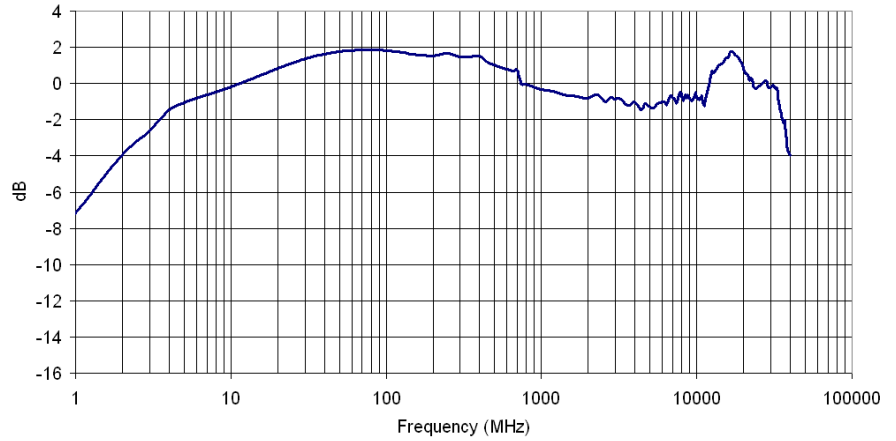
(Used with HI-6113)

- Probe Assembly
- 10 m Fiber Optic Cable
- Carrying Case
- Manual
- A2LA Standard Calibration
- ProbeView Laser Software

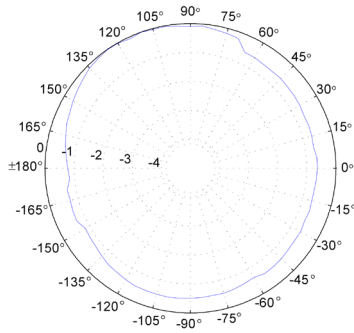
HI-6153FM

(Used with HI-6100)

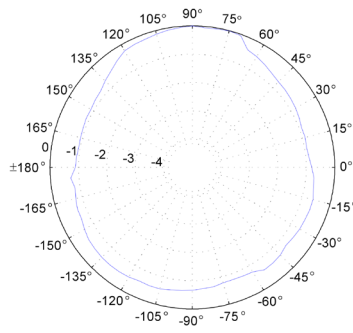
- Probe Assembly
- Laser Data Module
- 10 m Fiber Optic Cable
- Carrying Case
- Manual
- A2LA Standard Calibration



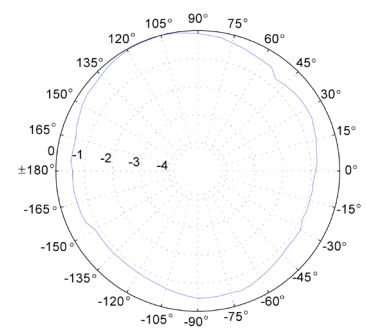
Typical Frequency Response for HI-6153



Typical Isotropic Response in dB at 1 GHz



Typical Isotropic Response in dB at 10 GHz



Typical Isotropic Response in dB at 18 GHz

Physical Specifications

OVERALL DIMENSIONS	WEIGHT
43.2 cm x 10.2 cm 17.6 in x 4.0 in	.54 kg 1.25 lbs

Electrical Specifications

FREQUENCY	TYPICAL FREQ.	DYNAMIC RANGE	LINEARITY	ISOTROPICITY
10 MHz - 40 GHz	10 MHz - 18 GHz +/- 2.5 dB 18 GHz - 40 GHz +2.0 dB - 4.0 dB	2 to 800 (V/m)	+/- 0.5 dB	+/- 1.0 dB