



No Batteries Required – **EVER!**

New laser light source lets you test for hours, days or weeks – without batteries!

Never again let discharged batteries interrupt your test plans! Take all the measurements you need, for as long as you want, without running out of power before the last data point is collected. Our new Model HI-6105 Electric Field Probe is powered by a laser source that completely eliminates batteries. A fiber optic line pipes light to the probe, where it is converted to an endless supply of power. Batteries and chargers are a thing of the past!

The new Model HI-6105 packs the same performance in the exact miniature dimensions of the groundbreaking Model HI-6005 without sacrificing performance. Designed for a broad range of field measurement applications, the HI-6105 uses the same

communication commands as the industry standard HI-6005, allowing simple integration into test environments already using Holaday probes.

The highly efficient, low-power laser supply for the HI-6105 is about the size of a PDA. Power for the complete system is provided through the USB I/O port of the display computer or laptop, allowing fully portable measurement capability. The HI-6105 Electric Field Probe with the HI-6113 Laser Data Link will monitor field data at rates exceeding 70 samples per second for faster testing.

HI-6105 Electric Field Probe

Sensor Type	Electric Field
Detection	Isotropic (X,Y,Z axis readings)
Dynamic Range	0.5 – 800 V/m (>64 dB, single range)
Resolution	0.01 V/m
Readout Units	V/m, V ² /m ² , mW/cm ²
Frequency Response	100 kHz – 6 GHz
Accuracy	±1 dB from 26 MHz – 2 GHz, ±0.5 dB at calibration frequencies
Isotropic Deviation	±0.5 dB at 400 MHz
Linearity	±0.5 dB of reading
Sample Rate	> 70/second
Optical Interface	Duplex Fiber (62.5 micron multimode), FC connectors
Operating Range	10°C to 40°C, 5% - 95% Relative Humidity, Non-Condensing
Dimensions	32 mm x 32 mm x 32 mm Cubical Housing, 43 mm Sensor Protection Caps
Mounting	1/4 - 20 UNC Internal Thread
Weight	80 g

HI-6113 Laser Data Link

Data/Power Interface	High-Powered USB Port, Five (5) unit load (500mA max.), includes Class 3b laser
Dimensions	75 mm x 100 mm x 25 mm
Weight	0.55 kg

