



7405 E & H NEAR FIELD PROBE SET



ETS-Lindgren's Model 7405 E & H Near Field Probe Set is a passive, near field probe set designed as a diagnostic aid for locating and characterizing sources of E and H-Field emissions.



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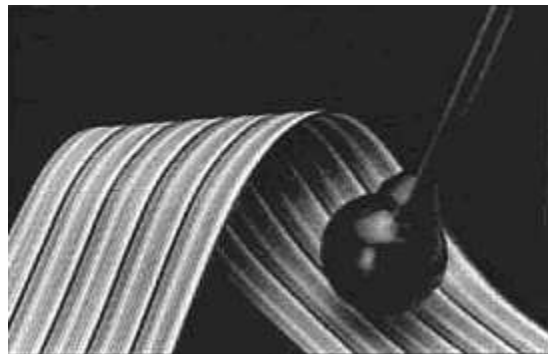
Description	Config	Specs	All Info
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Key Features

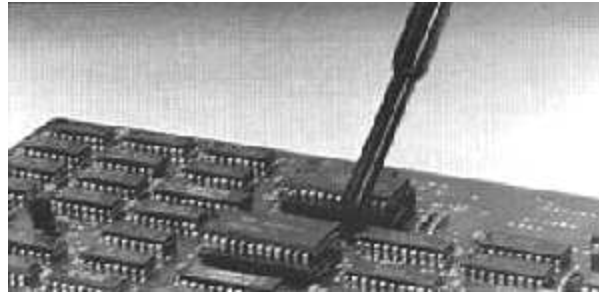
- Broadband Frequency Range
- Linear Response
- Locates both E and H-Field Emissions Sources
- New Optional Preamplifier for Signal Amplification
- Specialized Sizes / Shapes for Sensitivity
- Two Year Warranty

Description

The 7405 E & H Near Field Probe Set consists of three loop probes, one stub and one ball probe, an extension handle, an optional battery-powered preamplifier, and a foam-lined carrying case with a manual and application note. The handle of each probe terminates in a BNC connector. Probes are designed to be used with a signal analyzing device such as an oscilloscope or spectrum analyzer. The optional preamplifier is useful when signal amplification is necessary for the analyzing device.



Omni-directional Ball Probe identifies E-Field signals over a broad frequency range.



Stub Probe provides E-Field Measurement near the signal source.



Loop probes offer varying sensitivities to H-Field emissions.

Standard Configuration

- Carrying case
- Coaxial extension
- Five E&H Near Field probes

Options

- Battery Charger
- Nickel cadmium battery
- Pre-amplifier with power supply - 110 Volt 10 kHz to 3 GHz with female "BNC" connectors

Nominal Gain of Optional Pre-amplifier

Frequency	Gain
100 kHz	35.5 dB
2 GHz	38.1 dB
100 MHz	37.2 dB
100 MHz	37.2 dB
1 GHz	32.5 dB
2 GHz	25.0 dB
3 GHz	13.0 dB

Electrical Specifications

Model 7405	E/H or H/E Rejection	Primary Sensor	Probe Type	Upper Resonant
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901B	41 dB	H-Field	6.0 cm Loop	790.0 MHz
902B	29 dB	H-Field	3.0 cm Loop	1.5 GHz
903B	11 dB	H-Field	1.0 cm Loop	2.3 GHz
904B	30 dB	E-Field	3.6 cm Ball	>1.0 GHz
905B	30 dB	E-Field	6.0 mm Stup Tip	>3.0 GHz
907B	+12.0 dBm (typical)	3.5 dB (typical)	100 kHz - 3 GHz	+10.0 dBm

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