

HZ530 Near-Field Probe Set



The HZ530 Probe Set consists of three active broadband probes for EMI diagnosis. The probes are designed for connection to a HAMEG spectrum analyzer with input impedance of 50 Ω . The probes can be powered by the spectrum analyzer or batteries. The slim format ensures easy access to the test object even in cramped test environments.

The H-field probe provides a signal that is proportional to the magnetic field strength to the spectrum analyzer. This makes it possible to localize sources of interference with relatively high precision.

The high-impedance probe can be used to determine interference levels on contacts, lines and printed circuit boards.

The E-field probe is the most sensitive of the three probes. It can be used to assess the total effect of shielding and filtering in a tested unit.

Typical frequency response E-field probe

	SPAN: 1GHz				CF: 500 MHz						
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SCALE											
	RESB	W: 30	kHz				VID	BW: 1	00kHz		

Typical frequency response H-field probe

	SPAN: 1GHz				CF: 500 MHz						
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= 10dB/DIV.	$\left \right $										
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SCALE					<u> </u>						
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RESBW: 30kHz								VIC	BW: 1	00kHz	

Typical frequency response High impedance probe

SPAN: 1GHz			z	CF: 500 MHz						
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S	RESBW: 30kHz							VIC	BW: 1	00kHz

Technical specifications at 23 °C ± 2 °C

Frequency Range:	100 kHz to 1 GHz					
Supply Voltage:	6 V DC from Spectrum Analyzer or batteries (4x Mignon/AA, not included)					
Supply Current:	approx. 10 – 24 mA DC					
Probe Dimensions:	40 x 90 x 195 mm					
Cabinets:	plastic, internal electrical shielding					
Set includes:	1 E-field probe 1 H-field probe 1 high-impedance probe 1 BNC cable 1.5 m 1 power cable Operator's Manual Robust carrying case					

www.hameg.com

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