

## HZ530 EMI Near-Field Probe Set up to 1GHz

Typical frequency response E-field probe

	SPAN: 1GHz			CF: 500 MHz						
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	RESBW: 30kHz					VIDBW: 100kHz				

Typical frequency response H-field probe

SPAN	SPAN: 1GHz			CF: 500 MHz					
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RESBW: 30kHz			VIDBW: 100kHz						

Typical frequency response high-impedance probe

SPAN: 1GHz	CF: 500 MHz	
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RESBW: 30kHz	VIDBW	100kHz

## Technical specifications at 23°C ±2°C

Frequency Range:	100kHz1GHz					
Supply Voltage:	6V <sub>dc</sub> from Spectrum Analyzer or batteries, 4 x Mignon/AA, not included					
Supply Current:	approx. 1024mA <sub>dc</sub>					
Probe Dimensions:	40 x 90 x 195mm (W x H x D)					
Cases:	plastic, internal electrical shielding					
Set includes:	1 E-field probe 1 H-field probe 1 high-impedance probe 1 BNC cable 1.5m 1 power cable Operating Manual Robust carrying case					



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  $50\Omega$ . 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 to the spectrum analyzer that is proportional to the magnetic field strength. 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.