

## 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.

### 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

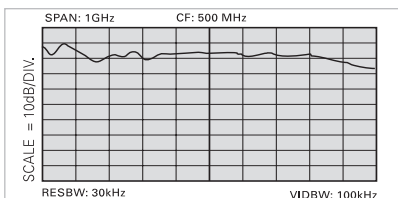
Probe Dimensions: 40 x 90 x 195 mm

Cabinets: plastic, internal electrical shielding

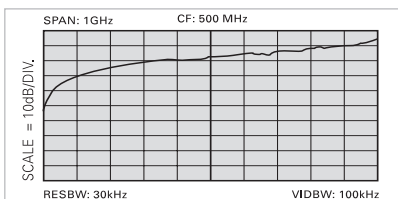
Set includes:

- 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

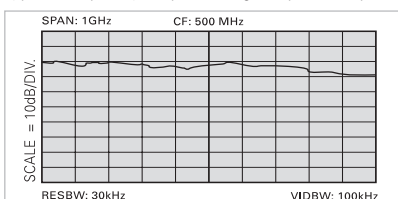
Typical frequency response, E-field probe



Typical frequency response, H-field probe



Typical frequency response, high impedance probe



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