Near Field Sniffer Probes

SAZ330-H

SAZ330-M

SAZ330-E

The SAZ330 is the ideal toolkit for the investigation of RF electromagnetic fields. It is indispensable for EMI pre-compliance testing during product development, prior to third party testing. The set includes 3 hand-held probes with a built-in pre-amplifier covering the frequency range from 100kHz to over 1000MHz.

The probes – one magnetic field probe, one electric field probe, and one high impedance probe – are all matched to the 50W inputs of spectrum analyzer or RF-receivers. The power can be supplied either from batteries, Ni-Cads or through a power cord directly connected to an SA3010/ SA3011 series spectrum analyzer.

Signal feed is via a 1.5 m BNC-cable. When used in conjunction with a spectrum analyzer or a measuring receiver, the probes can be used to locate and qualify EMI sources, as well as evaluate EMC problems at the breadboard and prototype level. They enable the user to evaluate radiated fields and perform shield effectiveness comparisons. Mechanical screening performance and immunity test on cables and components are easily performed.

Specifications

Frequency Range	:	0.1MHz to 1000MHz (lower frequency limit depends on probe type).
Output Impedance	:	50Ω.
Output Connector	:	BNC - jack.
Input Capacitance	:	2pF (High Impedance Probe).
Max. Input Level	:	+10dBm (without destruction).
1dB - Compression Point	:	-2dBm (frequency range dependent).
DC Input Voltage	:	20V max.
Supply Voltage	:	6V DC 4 AA size batteries Supply-power of analyzer. (Batteries or Ni-Cads are not included).
Supply Current	:	8mA (M-Field Probe) 5mA (E-Field Probe) 24mA (H-High Impedance Probe).
Probe Dimensions	:	40 (W) x 19 (D) x 195 (L) mm.
Housing	:	Plastic (electrically shielded internally).
Models	:	1. High Impedance (Active FET Probe) - SAZ330-H 2. Magnetic Field Probe - SAZ330-M 3. Electric Field Probe - SAZ330-E
Accessories	:	BNC Cable (1.5m) - 1 No. Power Supply Cable - 1 No.

WE PURSUE A POLICY OF CONTINUOUS DEVELOPMENT AND PRODUCT IMPROVEMENT. THUS THE SPECIFICATIONS IN THIS DOCUMENT AND THE LOCATION OF CONTROLS ON THE FRONT PANEL MAY BE CHANGED WITHOUT NOTICE.

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