

KEYSIGHT TECHNOLOGIES (AGILENT HP)

11941A

The Keysight Agilent 11941A is a handheld close-field magnetic (H-field) probe designed for EMI and EMC diagnostic measurements. Operating over the 9 kHz to 30 MHz frequency range, it is individually calibrated to provide highly accurate, repeatable measurements of magnetic field strength when connected to a 50-ohm spectrum analyzer or receiver.

SPECIFICATIONS

General

Interfaces	SMA (female) RF connector
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Physical

Power Supply	None (passive device)
Operating Temperature	0 to +55 °C °C
Dimensions (W×H×D)	43 mm × 211 mm × 19 mm mm
Weight	0.11 kg

RF & Electrical Performance

Frequency Range	9 kHz to 30 MHz
Probe Type	Close-Field H-Field (Magnetic)
Output Impedance	50 ohms nominal
Active or Passive Operation	Passive
Calibration Accuracy	±2 dB

Magnetic & Electric Field Characteristics

E-Field Suppression	High rejection due to balanced dual-loop design
Calibration Type	Individually calibrated with antenna factor chart

Connectivity & Interface

RF Output Connector Type	SMA
Connector Gender	Female
Connector Impedance	50 ohms
Compatibility	Spectrum analyzers, EMI receivers, and oscilloscopes with 50-ohm inputs

Environmental

Storage Temperature Range	-40 to +75 °C
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Electrical

Maximum Safe Input Power	0.5 W
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Calibration

Calibration Field Impedance	377 Ω
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TECHNOLOGY

EMC/EMI Near-Field Probe

APPLICATIONS

EMI/EMC Diagnostics and Troubleshooting

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.