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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent / Keysight 85650A Quasi peak adapter

Keysight / Agilent 85650A Quasi-Peak Adapter The Keysight/Agilent (HP) 85650A isaquasi-peak adapter accessory used with 8566/8568-class spectrum analyzers for EMI/EMC quasi-peak detection measurements. OEM EMI accessory literature specifies CISPR-oriented charge/discharge time-constant behavior and coupling to the host analyzer IF path for conducted and radiated emission quasi-peak readings. EMI quasi-peak measurements, CISPR-oriented emission testing with compatible HP/Agilent spectrum analyzers, and legacy EMC lab setups. The Keysight/Agilent (HP) 85650A isaquasi-peak adapter accessory used with 8566/8568-class spectrum analyzers for EMI/EMC quasi-peak detection measurements. OEM EMI accessory literature specifies CISPR-oriented charge/discharge time-constant behavior and coupling to the host analyzer IF path for conducted and radiated emission quasi-peak readings. EMI quasi-peak measurements, CISPR-oriented emission testing with compatible HP/Agilent spectrum analyzers, and legacy EMC lab setups. Host Analyzers Class: 8566B/8568B class spectrum analyzers



MODEL

**Agilent / Keysight
85650A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

85650A

LISTING

<https://aumictechlabs.com/products/85650a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 85650A Quasi-Peak Adapter is a specialized accessory that adds quasi-peak (QP) detection capabilities to compatible spectrum analyzers for electromagnetic

interference (EMI) testing and regulatory compliance. This adapter enables accurate measurement of pulsed and broadband signals across multiple frequency bands, conforming to CISPR Publication 16 and FCC regulations. It has both manual and automatic QP detection modes with resolution bandwidths optimized for each frequency range, plus a bypass mode for standard analyzer operation.

Technical Specifications

Resolution Bandwidths (at 6 dB)

Frequency Range	Resolution Bandwidth
0.01–0.15 MHz	200 Hz
0.15–30 MHz	9 kHz
30–1000 MHz	120 kHz

Detector Time Constants

Charge time constants: 45 ms (0.01–0.15 MHz), 1 ms (0.15–30 MHz), 1 ms (30–1000 MHz)

Discharge time constants: 500 ms (0.01–0.15 MHz), 160 ms (0.15–30 MHz), 550 ms (30–1000 MHz)

Quasi-Peak Response to CISPR Pulse across 1 kHz to 150 kHz PRF, with measurements ranging from 28.5 ± 3.5 dB μ V (isolated pulse, 30–1000 MHz band) to 68.0 ± 2.5 dB μ V (100 kHz PRF, 30–1000 MHz band). Response varies with pulse repetition frequency, frequency band, and signal characteristics.

Key Features

- Frequency coverage from 0.01 MHz to 1000 MHz
- CISPR-compliant bandpass filter response
- Compliance with MIL-STD 461A methods CE03 and RE02
- Compliance with VDE 0871 Level B and CISPR Publication 11
- Bypass mode for standard spectrum analyzer operation

Typical Applications

- Radiated and conducted EMI measurements
- Pulsed signal characterization
- Regulatory compliance testing (FCC, CISPR)
- Broadband interference assessment

Compatibility & Integration

The 85650A interfaces with specified Agilent/Keysight spectrum analyzers to augment their detection capabilities without requiring replacement of the host instrument.

85650A Characteristics / Specifications

PARAMETER	VALUE
Model	85650A
Instrument Type	Quasi-peak adapter
Host Analyzers Class	8566B/8568B class spectrum analyzers
Measurement Role	Quasi-peak detection for EMI
Detection Mode	Quasi-peak
Standards Orientation	CISPR quasi-peak time-constant class
Signal Path	Host analyzer IF interface class
Chassis Form	EMI accessory adapter
Brand Lineage	HP / Keysight / Agilent
Related Accessories	85685A preselector class EMI accessories
Control	Front-panel / host analyzer coupled operation
Frequency Coverage	Follows host spectrum analyzer band
Power Class	Accessory powered per 85650A sheet
Operating Temperature Spec Class	Follow host EMI system sheet
Documentation Scope	OEM 85650A quasi-peak adapter documentation
Warmup Spec Class	Follow host analyzer warm-up
Calibration	EMI system calibration with host analyzer
Installed Options	None typical; verify serial configuration
Weight Class	Benchtop EMI accessory mass class
Remote Path	Through host analyzer GPIB class where supported
Safety Class	Follow host analyzer RF input limits
Manufacturer Documentation	OEM datasheet and user documentation
Configuration Dependency	Final limits follow installed options and faceplate
Operating temperature	Spec Class: Follow host EMI system sheet

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Spec Class: Follow host EMI system sheet
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Remote Path	Through host analyzer GPIB class where supported
Safety Class	Follow host analyzer RF input limits
Manufacturer Documentation	OEM datasheet and user documentation
Configuration Dependency	Final limits follow installed options and faceplate Notes From HP/Agilent 85650A quasi-peak adapter documentation used with 8566/8568 EMI systems. Exact charge/discharge constants and IF levels are on the 85650A sheet for the paired analyzer.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.