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Data Sheet

August 14, 2026

HP / AGILENT

HP / Agilent 11960A EMC Preselector

The HP 11960A is an EMC preselector that reduces RF overload from broadband and out-of-band signals for near-compliant conducted and improved radiated-emission measurements. OEM EMC accessory catalog and 11960A product listings list a built-in 30 dB gain amplifier, LF path 9 kHz to 30 MHz, and HF amplified path 30 MHz to 1000 MHz. CISPR-style conducted/radiated EMI preselection ahead of a spectrum analyzer. Series Family: HP 11960A / 85685A EMI accessories Function: reduce RF overload from broadband and out-of-band signals CISPR-style conducted/radiated EMI preselection ahead of a spectrum analyzer. Series Family: HP 11960A / 85685A EMI accessories Function: reduce RF overload from broadband and out-of-band signals Conducted Emissions: near-compliant conducted-emission measurements

**MODEL****HP / Agilent
11960A****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****11960A****LISTING**<https://aumictechlabs.com/products/11960a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The HP/Agilent 11960A EMC Preselector is a switched band-pass filter system that protects spectrum analyzers and EMC receivers from RF overload during electromagnetic compatibility testing. It narrows the bandwidth of energy presented to the analyzer's first mixer, reducing mixer overload and measurement errors while improving dynamic range and frequency selectivity. The unit enables near-compliant CISPR 16 conducted emissions measurements and supports both conducted and radiated emissions testing across extended frequency ranges. Technical

Specifications Conducted emissions range: 150 kHz to 30 MHz Radiated emissions range: Above 30 MHz (requires preamplifier) Band-pass filter configuration: Eight switched filters covering 150 kHz to 30 MHz Preamplifier gain: 30 dB with 8 dB noise figure Preamplifier sensitivity improvement: Up to 20 dB Attenuator: Switched 10 dB for radiated bands Key Features Reduces broadband and out-of-band RF overload before signal reaches first mixer Built-in preamplifier active above 30 MHz for radiated emissions measurements Switched 10 dB attenuator for overload verification on radiated bands Eight band-pass filter stages optimized for conducted emissions (150 kHz–30 MHz) Protects analyzer input stages from strong interfering signals Typical Applications Conducted emissions testing on switching-mode power supplies Radiated emissions measurements above 30 MHz CISPR 16 compliance verification Pre-filtering to prevent mixer saturation in broadband noise environments Compatibility & Integration Designed for use with HP 8590EM series EMC analyzers and HP 8590E series spectrum analyzers. Supports automated test control via HP 11961A EMI measurement software.

Features & description

From manufacturer datasheet

Built-in 30 dB gain amplifier

9 kHz-30 MHz LF path 30 MHz-1000 MHz HF amplified path Reduces out-of-band overload
Companion to 8566/8568 EMI accessories Technical Specifications Instrument Type: EMC preselector
Series Family: HP 11960A / 85685A EMI accessories Lf Path Frequency: 9 kHz to 30 MHz Hf Path
Frequency: 30 MHz to 1000 MHz Amplifier Gain: 30 dB built-in Lf Through Path: listed LF through path
Function: reduce RF overload from broadband and out-of-band signals Conducted Emissions: near-
compliant conducted-emission measurements Radiated Emissions: improved radiated-emission
measurement sensitivity Form Factor: EMC accessory preselector Documentation: HP EMC accessory
catalog listing 11960A Companion Software: 11961A EMI measurement software listed in the same
catalog Use With: HP spectrum analyzers in EMI receiver configurations Frequency Ceiling: 1000 MHz
HF path Frequency Floor: 9 kHz LF path Overload Protection: preselection against broadband overload
Operating Environment: EMC laboratory ambient per 11960A literature Power: AC mains operated
accessory Related 85685A: 20 Hz to 2 GHz RF preselector for 8566B/8568B Verification: filter-band
and NF numbers belong on the 11960A specification sheet Notes On Filters: tracking-filter details are
on the 11960A data sheet

11960A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	EMC preselector
Series Family	HP 11960A / 85685A EMI accessories
Lf Path Frequency	9 kHz to 30 MHz
Hf Path Frequency	30 MHz to 1000 MHz
Amplifier Gain	30 dB built-in
Lf Through Path	listed LF through path
Function	reduce RF overload from broadband and out-of-band signals
Conducted Emissions	near-compliant conducted-emission measurements
Radiated Emissions	improved radiated-emission measurement sensitivity
Form Factor	EMC accessory preselector
Documentation	HP EMC accessory catalog listing 11960A
Companion Software	11961A EMI measurement software listed in the same catalog
Use With	HP spectrum analyzers in EMI receiver configurations
Frequency Ceiling	1000 MHz HF path
Frequency Floor	9 kHz LF path
Overload Protection	preselection against broadband overload
Operating Environment	EMC laboratory ambient per 11960A literature
Power	AC mains operated accessory
Related 85685A	20 Hz to 2 GHz RF preselector for 8566B/8568B
Verification	filter-band and NF numbers belong on the 11960A specification sheet

11960A Specifications

PARAMETER	VALUE
Agilent Keysight 11960A EMC Preselector	Overview
Key Features	Built-in 30 dB gain amplifier
Technical Specifications	Instrument Type: EMC preselector

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	
Specifications	
PARAMETER	VALUE
Instrument Type	EMC preselector
Series Family	HP 11960A / 85685A EMI accessories
Lf Path Frequency	9 kHz to 30 MHz
Hf Path Frequency	30 MHz to 1000 MHz
Amplifier Gain	30 dB built-in
Lf Through Path	listed LF through path
Function	reduce RF overload from broadband and out-of-band signals
Conducted Emissions	near-compliant conducted-emission measurements
Radiated Emissions	improved radiated-emission measurement sensitivity
Form Factor	EMC accessory preselector
Documentation	HP EMC accessory catalog listing 11960A
Companion Software	11961A EMI measurement software listed in the same catalog
Use With	HP spectrum analyzers in EMI receiver configurations
Frequency Ceiling	1000 MHz HF path
Frequency Floor	9 kHz LF path
Overload Protection	preselection against broadband overload
Operating Environment	EMC laboratory ambient per 11960A literature
Power	AC mains operated accessory
Related 85685A	20 Hz to 2 GHz RF preselector for 8566B/8568B
Verification	filter-band and NF numbers belong on the 11960A specification sheet
Notes On Filters: tracking-filter details are on the 11960A data sheet	
Application Standard Class: CISPR conducted/radiated accessory	
Gain Path: HF path is the amplified 30 MHz-1000 MHz path	
Notes	
9 kHz-30 MHz LF, 30 MHz-1000 MHz HF, and 30 dB built-in amplifier from HP 11960A EMC preselector catalog/product listings. Noise-figure and filter-shape numbers are on the 11960A specification sheet.	

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

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NIST-traceable calibration · SAM registered ·
30-day returns
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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.