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Data Sheet

August 14, 2026

HP / AGILENT

HP / Agilent 11613B Calibrator for Scalar Network Analyzer

Agilent Keysight 11613B Scalar Network Analyzer Calibrator Transfer Standard The HP/Agilent 11613B is a dedicated transfer standard for calibrating 8757D/E scalar network analyzers. OEM 8757 accessory tables list a 27.778 kHz squarewave source, precision attenuators, and software that verifies and adjusts nonvolatile detector-calibration constants. Periodic verification and adjustment of HP 8757 scalar analyzer detector inputs using a traceable transfer standard. Precision internal attenuators programmed from the 8757 detector interface. The HP/Agilent 11613B is a dedicated transfer standard for calibrating 8757D/E scalar network analyzers. OEM 8757 accessory tables list a 27.778 kHz squarewave source, precision attenuators, and software that verifies and adjusts nonvolatile detector-calibration constants. Periodic verification and adjustment of HP 8757 scalar analyzer detector inputs using a traceable transfer standard. Precision internal attenuators programmed from the 8757 detector interface. Powered from the 8757 supply on the 5-pin detector cable.



MODEL

HP / Agilent 11613B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

11613B

LISTING

<https://aumictechlabs.com/products/11613b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The HP/Agilent 11613B Calibrator is a precision instrument for calibrating and verifying scalar network analyzers in the 8757 and 8756 series. It supplies a 27.778 kHz frequency source,

precision attenuators, and calibration standards necessary for accurate reference plane calibration and S-parameter verification. The system includes control software that verifies and adjusts internal calibration parameters stored in nonvolatile memory, restoring measurement accuracy across the supported analyzer platform. Technical Specifications Frequency source: 27.778 kHz Operating modes: DC (unmodulated) and AC (modulated at 27.778 kHz $\pm$ 12 Hz) Power supply: 100/120/220/240 V $\pm$ 10%, 48 to 66 Hz, 155 VA typical Dimensions: 178 mm H $\times$ 425 mm W $\times$ 482 mm D Calibration cycle: 24 months (analyzer verification recommended every 12 months) Key Features Integrated software for automated calibration parameter verification and adjustment Operates on HP 9000 series 200/300 computers with BASIC 3.0 or higher Compatible with external controllers running HP BASIC for Windows 7.0 or higher Supplied with interface cable (5-pin circular or GPIO connector P/N 11613-60007) and 3.5-inch software disk Precision attenuators and calibration standards included Typical Applications Reference plane calibration of scalar network analyzers S-parameter measurement verification Periodic analyzer performance validation and system integrity checks Compatibility & Integration The 11613B works with the HP/Agilent 8757 series (models A, B, C, D, E) and 8756A analyzers. Also compatible with 8755A/B/C systems. HP and Agilent branded units are functionally identical. Operating and Service Manuals provide installation, operation, and maintenance guidance.

11613B Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Scalar network analyzer calibrator transfer standard
Host Analyzer Family	HP 8757 including 8757D and 8757E
Source Frequency	27778 plus or minus 12 Hz
Maximum Output Level	4.9 plus or minus 0.065 Vrms (250 kHz bandwidth)
Signal Symmetry	50 plus or minus 2 percent duty cycle
Peak To Peak Amplitude	10.6 plus or minus 0.5 V
Rise Time	3.4 plus or minus 0.4 us from 10 to 90 percent
Overshoot	negligible with high impedance load
Waveform	squarewave into 8757 detector inputs
Detector Cable Length	1.22 m (48 in) 5-pin cable
Cable Functions	squarewave, 8757 power for the 11613B, and attenuator programming
Connector Types	BNC female, 5-pin audio, 9-pin GPIO interface
Dimensions HxWxD	40 mm x 185 mm x 203 mm (1.5 × 7.3 × 8.0 in)
Net Weight	0.91 kg (2 lb)
Shipping Weight	2.3 kg (5 lb)
Controller Memory Requirement	0.5 Mbyte
Software Media	3.5 inch format
Software Environment	HP 9000 Series 200 or 300 with HP BASIC 3.0 or higher
Recalibration Interval	recalibration of the 11613B recommended every two years
Function	verifies and adjusts internal calibration parameters in 8757 nonvolatile memory
Attenuator Set	series of precision attenuators
Power Source	from HP 8757 supply via detector cable
Calibration Scope	all HP 8757 detector inputs

11613B Specifications

PARAMETER	VALUE
Applications	Periodic verification and adjustment of HP 8757 scalar analyzer detector inputs using a traceable transfer standard.
Key Features	Precision internal attenuators programmed from the 8757 detector interface
HP BASIC software on Series 200/300 controllers	All detector inputs calibrated in minutes
Technical Specifications	Instrument Type: Scalar network analyzer calibrator transfer standard

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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Notes	
Numeric rows from HP/Agilent 8757E scalar network analyzer accessory specifications for the 11613B calibrator and Keysight 11613B transfer-standard listings matching those tables.	

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.