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Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 11715A

The HP 11715A is an AM/FM test source for performance tests and adjustments of the 8901A/B modulation analyzer and 8902A measuring receiver. OEM 11715A literature lists a low-noise VCO with typical 330 to 470 MHz range at the FM output, digital dividers, and a double-balanced mixer, with outputs covering 11 to 13.5 MHz (divide-by-32), 88 to 108 MHz (divide-by-4, US FM broadcast band), and 352 to 432 MHz (FM output), and level from minus 20 dBm to plus 3 dBm. Modulation-analyzer calibration, measuring-receiver adjustments, and high-quality AM/FM stimulus where those frequency windows apply. Use Case: modulation analyzer performance tests and adjustments Divider Ratios: divide by 4 and divide by 32 plus undivided FM Phase Shift: wide bandwidth FM with low phase shift From HP/Agilent/Keysight 11715A AM/FM Test Source product specifications (frequency windows, level, AM THD). Confirm residual FM and exact AM bandwidth on the 11715A operating and service manual matching the serial.



METRICTEST.COM

MODEL

**Agilent / Keysight
11715A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

11715A

LISTING

<https://aumictechlabs.com/products/11715a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 11715A AM/FM Test Source is a precision RF signal generator engineered for modulation analyzer verification and receiver measurement applications. It produces flat, low-distortion amplitude-modulated and frequency-modulated RF signals across multiple frequency bands using a low-noise VCO, double-balanced mixer, and digital divider architecture. Technical

Specifications

Frequency Outputs Fixed output: 560 MHz carrier (crystal-derived, residual FM 400 kHz peak with distortion < 0.025% Deviation linearity: $\pm 0.1\%$ to 100 kHz modulation rates; typically $\pm 2.5\%$ to 10 MHz rates Residual FM: < 3 Hz rms (50 Hz–3 kHz post-detection bandwidth)

Amplitude Modulation (AM) Modulation depth: Up to 99% available (11–13.5 MHz range) Distortion: < 0.1% at 95% AM; < 0.05% THD at 50% AM (20 Hz–100 kHz modulation) Depth linearity: $\pm 0.2\%$ variation up to 99% AM Residual AM: < 0.01% rms (50 Hz–3 kHz post-detection bandwidth)

Power & Environment Input voltage: 100–120 Vac ($\pm 5\%$, -10%) or 220–240 Vac ($\pm 5\%$, -10%) at 48–440 Hz Power dissipation: 40 VA maximum Operating temperature: 0–55°C Storage temperature: -55–75°C Physical Dimensions: 102 mm H $\times$ 212 mm W $\times$ 444 mm D Net weight: 4.4 kg (shipping: 6.5 kg)

Key Features Four separate RF outputs for multi-point test configurations External modulation source input for custom waveform injection Wideband DC-coupled design ensures deviation linearity across wide modulation rates Low residual AM and FM minimize measurement uncertainty Meets MIL STD 461A (CE03, RE02, CS01, CS02, RS03 at 1 V/m), VDE 0871 (Level B), and CISPR 11

Typical Applications Calibration and performance verification of modulation analyzers AM/FM receiver testing and adjustment Signal source for RF test benches requiring stable, low-distortion modulated carriers

Compatibility & Integration Designed for performance tests and adjustments of modulation analysis equipment. Compact 19-inch compatible form factor integrates into standard laboratory and production test setups.

11715A Characteristics / Specifications

PARAMETER	VALUE
Model	11715A
Instrument Type	AM/FM test source
Fm Output Frequency	352 to 432 MHz
Divide By 4 Output Frequency	88 to 108 MHz
Divide By 32 Output Frequency	11 to 13.5 MHz
Vco Typical Frequency	330 to 470 MHz at FM output
Output Power Range	minus 20 dBm to plus 3 dBm
Am Distortion 50 Percent	less than 0.05% THD (less than minus 66 dB), 20 Hz to 100 kHz rates
Am Distortion 95 Percent	less than 0.1% THD (less than minus 60 dB), 20 Hz to 100 kHz rates
Architecture	low-noise VCO, two digital dividers, double-balanced mixer
Fm Method	external modulation source coupled to VCO tune input
Incidental Am	designed for very little incidental AM
Primary Partners	8901A 8901B modulation analyzers and 8902A measuring receiver
Broadcast Band Coverage	US commercial FM 88 to 108 MHz on divide-by-4 output
Modulation Types	AM and FM
Frequency Range Maximum Listed	432 MHz
Mechanical Package	benchtop RF test source
Manufacturer	HP Agilent Keysight
Use Case	modulation analyzer performance tests and adjustments
Output Class	modulated RF
Divider Ratios	divide by 4 and divide by 32 plus undivided FM
Mixer	double-balanced for AM
Phase Shift	wide bandwidth FM with low phase shift
Bandwidth	FM with low phase shift

11715A Specifications

PARAMETER	VALUE
HP Agilent 11715A AM/FM Test Source	Overview
Key Features	Direct VCO tune input for wideband FM with low phase shift
Low incidental AM by design	Divide-by-4 output covers 88 to 108 MHz
Technical Specifications	Model: 11715A

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.

performance tests and adjustments of the 8901A/B modulation analyzer and 8902A measuring receiver. OEM 11715A literature lists a low-noise VCO with typical 330 to 470 MHz range at the FM output, digital dividers, and a double-balanced mixer, with outputs covering 11 to 13.5 MHz (divide-by-32), 88 to 108 MHz (divide-by-4, US FM broadcast band), and 352 to 432 MHz (FM output), and level from minus 20 dBm to plus 3 dBm.	
Applications	
Modulation-analyzer calibration, measuring-receiver adjustments, and high-quality AM/FM stimulus where those frequency windows apply.	
Key Features	
Direct VCO tune input for wideband FM with low phase shift	
Low incidental AM by design	
Divide-by-4 output covers 88 to 108 MHz	
Works with 8901A/B and 8902A as a calibrated source	
Double-balanced mixer AM path	
Technical Specifications	
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Model	11715A
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PARAMETER	VALUE
Output Class	modulated RF
Divider Ratios	divide by 4 and divide by 32 plus undivided FM
Mixer	double-balanced for AM
Phase Shift	wide bandwidth FM with low phase shift

Notes

From HP/Agilent/Keysight 11715A AM/FM Test Source product specifications (frequency windows, level, AM THD). Confirm residual FM and exact AM bandwidth on the 11715A operating and service manual matching the serial.

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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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.