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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 3570A

HP Agilent 3570A Network Analyzer 50 Hz to 13 MHz The HP 3570A is a narrow-band tracking network analyzer for 50 Hz to 13 MHz used with an HP 3320A/B frequency synthesizer or 3330A/B automatic synthesizer. OEM 3570A product data list two identical measurement channels, 100 dB dynamic range from 200 Hz to 13 MHz, selectable bandwidths of 10 Hz, 100 Hz, and 3 kHz, dual digital readouts for simultaneous amplitude and phase, and full programmability. The 3570A is an integral part of the 3040A, 3041A, and 3042A systems. The HP 3570A is a narrow-band tracking network analyzer for 50 Hz to 13 MHz used with an HP 3320A/B frequency synthesizer or 3330A/B automatic synthesizer. OEM 3570A product data list two identical measurement channels, 100 dB dynamic range from 200 Hz to 13 MHz, selectable bandwidths of 10 Hz, 100 Hz, and 3 kHz, dual digital readouts for simultaneous amplitude and phase, and full programmability. The 3570A is an integral part of the 3040A, 3041A, and 3042A systems. Amplitude and phase response of two-port linear networks, transfer-function comparison, and production-line network tests from 50 Hz to 13 MHz.



MODEL

**Agilent / Keysight
3570A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

3570A

LISTING

<https://aumictechlabs.com/products/3570a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 3570A is a network analyzer that measures amplitude and phase response of two-port linear networks across a frequency range of 50 Hz to 13 MHz. This dual-channel instrument characterizes absolute transfer functions, compares network performance, and

supports optional group delay and offset measurements with limit test capability. The 3570A delivers 100 dB dynamic range (200 Hz to 13 MHz) and selectable bandwidths of 10 Hz, 100 Hz, and 3 kHz to optimize measurement resolution across applications ranging from filter characterization to impedance analysis.

Technical Specifications

Frequency Range: 50 Hz to 13 MHz
Dynamic Range: 100 dB (200 Hz to 13 MHz)
Measurement Channels: Two identical channels
Selectable Bandwidths: 10 Hz, 100 Hz, 3 kHz
Amplitude Stability (8 hours, 25°C ±1°C): ±0.05 dB for frequencies above 20 dB
Amplitude Temperature Coefficient (20–30°C): ±0.02 dB/°C (100 Hz and 3 kHz BW); ±0.06 dB/°C (10 Hz BW)
Phase Accuracy (25°C ±5°C): ±0.2° phase linearity (Channel B within 6 dB of Channel A)
Input Impedance: 1 MΩ ±2%, shunted by <30 pF
Input Signal Range: 1 Vrms to 1 μVrms
Input Overload Protection: 15 Vrms; maximum dc input 50 Vdc
Output Impedance: 50 Ω or 75 Ω
Maximum Output: 1 Vrms into 50 Ω or 75 Ω load
Power Requirements: 100 V, 120 V, 220 V, or 240 V ±10% / +5%; 48–66 Hz; 230 VA maximum

Key Features

Two identical measurement channels for simultaneous dual-path characterization
Absolute transfer function measurement or network-to-network comparison
Optional group delay and offset measurements
Limit test functionality for pass/fail verification
Fully programmable via isolated General Purpose Interface Bus (optional)
Capacitive input coupling; frame ground referenced
Automatic thermal cutout at +75°C internal temperature

Typical Applications

Filter and impedance network verification, two-port device characterization, RF and microwave circuit gain and phase profiling, component tolerance screening, and transfer function comparison during design validation.

Compatibility & Integration

The 3570A operates in conjunction with HP 3320A/B Frequency Synthesizer or HP 3330A/B Automatic Synthesizer and is a core measurement module within the 3040A, 3041A, and 3042A system platforms.

3570A Characteristics / Specifications

PARAMETER	VALUE
Model	3570A
Instrument Type	tracking network analyzer
Frequency Range	50 Hz to 13 MHz
Dynamic Range	100 dB (200 Hz to 13 MHz)
Bandwidth Settings	10 Hz, 100 Hz, and 3 kHz
Channel Count	2 identical measurement channels
Readouts	two digital readouts for simultaneous amplitude and phase
Partner Synthesizers	3320A/B or 3330A/B
System Families	3040A, 3041A, 3042A
Measurements	absolute transfer functions or comparison of two networks
Programmability	all functions, ranges, and settings
Stimulus Source	external synthesizer (not built in)
Architecture	narrow-band tracking detector
Domain	frequency-domain two-port analysis
Manufacturer	HP Agilent Keysight
Mechanical Package	benchtop network analyzer
Use Case	laboratory maintenance and production-line network analysis
Phase Presentation	simultaneous with amplitude
Amplitude Presentation	digital readout
Tracking	locked to 3320/3330 synthesizer
Bandwidth	Settings: 10 Hz, 100 Hz, and 3 kHz

3570A Specifications

PARAMETER	VALUE
HP Agilent 3570A Network Analyzer 50 Hz to 13 MHz	Overview
Two identical measurement channels	Selectable 10 Hz, 100 Hz, and 3 kHz bandwidths
Isolated GPIB digital outputs option	Pairs with 3320/3330 synthesizers
Technical Specifications	Model: 3570A

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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PARAMETER	VALUE
Model	3570A
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Dynamic Range	100 dB (200 Hz to 13 MHz)
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Readouts	two digital readouts for simultaneous amplitude and phase
Partner Synthesizers	3320A/B or 3330A/B
System Families	3040A, 3041A, 3042A
Measurements	absolute transfer functions or comparison of two networks
Programmability	all functions, ranges, and settings
Optional Group Delay: yes	
Optional Offset Measurements: yes	
Optional Limit Tests: yes	
Optional Digital Outputs: isolated GPIB	
Specifications	
PARAMETER	VALUE
Stimulus Source	external synthesizer (not built in)
Architecture	narrow-band tracking detector
Domain	frequency-domain two-port analysis
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Notes

From HP 3570A 50 Hz to 13 MHz Network Analyzer product specifications. Amplitude/phase accuracy tables are in the 3570A data sheet matching the serial and synthesizer pairing.

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