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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 3575A

Agilent Keysight 3575A Gain Phase Meter 1 Hz to 13 MHz The HP 3575A is a two-channel broadband gain/phase meter that measures dBV, dB ratio, and phase from 1 Hz to 13 MHz without frequency tuning. OEM 3575A specification summaries list 200 μ V rms to 20 V rms inputs, 1 MOhm // 30 pF, phase plus or minus 180 deg with 0.1 deg resolution, and amplitude from minus 74 dBV to plus 26 dBV. Broadband gain/loss and transfer-function measurements on amplifiers, filters, and servo loops where a tuned analyzer is not required. The HP 3575A is a two-channel broadband gain/phase meter that measures dBV, dB ratio, and phase from 1 Hz to 13 MHz without frequency tuning. OEM 3575A specification summaries list 200 μ V rms to 20 V rms inputs, 1 MOhm // 30 pF, phase plus or minus 180 deg with 0.1 deg resolution, and amplitude from minus 74 dBV to plus 26 dBV. Broadband gain/loss and transfer-function measurements on amplifiers, filters, and servo loops where a tuned analyzer is not required. No frequency tuning required (broadband detector)



MODEL

**Agilent / Keysight
3575A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

3575A

LISTING

<https://aumictechlabs.com/products/3575a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 3575A is a dual-channel gain-phase meter that measures amplitude and phase across a 1 Hz to 13 MHz broadband range without requiring tuning. It delivers direct characterization of transfer functions, impedance ratios, and absolute signal levels for amplifiers, filters, feedback control systems, and RF/audio devices. Technical Specifications Frequency

Range: 1 Hz to 13 MHz Input Level Range: 200 μ V rms to 20 V rms Input Impedance: 1 M Ω shunted by 30 pF Input Protection: $\pm$ 40 V dc, 20 V rms maximum Channels: 2 Amplitude Measurement Range: 100 dB Dynamic Range: 80 dB Resolution: 0.1 dB Phase Measurement Range: $\pm$ 180° with 12° overrange ($\pm$ 192°) Resolution: 0.1° Accuracy: $<$ 2° error at 30 dB signal-to-noise ratio Display & Outputs Three-digit selectable readout (amplitude or phase); optional dual meters Update Rate: 4 Hz Analog Phase Output: 10 mV/degree Analog Amplitude Output: 10 mV/dB or dBV (1 k Ω impedance) Rear-panel BNC connectors support external data logging and recorder integration Physical Dimensions: 88 mm (H) $\times$ 425 mm (W) $\times$ 337 mm (D) Weight: 8.3 kg net; 11.3 kg shipping Power: 115 V/230 V $\pm$ 10%, 48–440 Hz, 40 VA Operating: 0–55°C; Storage: –40–75°C Humidity: $\leq$ 95% relative humidity (operating) Key Features Measures sine, square, and triangular waveforms Harmonic rejection eliminates phase errors from even harmonics and in-phase odd harmonics Selectable three-stage internal filter bank for noise mitigation No tuning required across full frequency span Simultaneous dual-channel absolute level measurement capability Typical Applications Bode plot generation for stability margin analysis Feedback amplifier characterization Component impedance and transfer function measurement Control system frequency response evaluation RF and audio circuit validation Compatibility & Integration Analog outputs drive external recorders and measurement instruments for automated data acquisition. Optional dual-meter configuration and BCD output with remote control (Option 002) support laboratory integration workflows.

3575A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Gain/phase meter
Series Family	HP 3575A
Frequency Range	1 Hz to 13 MHz
Number Of Channels	2
Input Level Range	200 uV rms to 20 V rms
Input Impedance	1 MOhm, 30 pF
Input Protection	plus or minus 40 V dc, 20 V rms
Amplitude Functions	A dBV, B dBV, or B/A dB
Amplitude Range Adbv Bdbv	minus 74 dBV to plus 26 dBV in two ranges
Amplitude Range Ratio	minus 100 dB to plus 100 dB
Amplitude Resolution	0.1 dB
Phase Range	plus or minus 180 deg with 12 deg of overrange
Phase Resolution	0.1 deg
Analog Output Impedance	1 kOhm
Analog Amplitude Scale	10 mV per dB or dBV
Analog Phase Scale	10 mV per degree
Form Factor	benchtop gain/phase meter
Detector Type	broadband (untuned)
Documentation	HP 3575A Gain-Phase Meter operating and service manual 03575-90002

3575A Specifications

PARAMETER	VALUE
Agilent Keysight 3575A Gain Phase Meter 1 Hz to 13 MHz	Overview
Applications	Broadband gain/loss and transfer-function measurements on amplifiers, filters, and servo loops where a tuned analyzer is not required.
Key Features	No frequency tuning required (broadband detector)
Two channels A and B for dBV or B/A dB	Analog outputs 10 mV per dB and 10 mV per degree
Option 001 dual panel meters	Options 002/003 BCD outputs and remote control
Technical Specifications	Instrument Type: Gain/phase meter

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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Phase Resolution	0.1 deg
Analog Output Impedance	1 kOhm
Analog Amplitude Scale	10 mV per dB or dBV
Analog Phase Scale	10 mV per degree
Option 001: dual panel meters	
Option 002: dual panel meters with BCD outputs (negative true) and remote control	
Option 003: dual panel meters with BCD outputs (positive true) and remote control	
Option 908: rackmount kit	
Specifications	
PARAMETER	VALUE
Form Factor	benchtop gain/phase meter
Detector Type	broadband (untuned)
Documentation	HP 3575A Gain-Phase Meter operating and service manual 03575-90002
Notes	
Numeric rows from Keysight/HP 3575A Gain Phase Meter specification summaries (ATE Corp and HP 3575A	

operating/service manual 03575-90002). Accuracies beyond the listed ranges belong on the manual specification table.

Ordering Information

OPTION	DESCRIPTION
Option 001	dual panel meters

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.