

NETWORK ANALYZERS

Audio/Video/Baseband/IF Network Analyzer, 5 Hz to 200 MHz

HP 35676A/B, 3575A

General Characteristics

Power: All power is obtained through the HP 35677A interconnect cable.

Weight: Net, 6 kg (13 lb); shipping, 122 kg (25 lb)

Size: 90 mm H × 425 mm W × 584 mm D (3.5 in × 16.75 in × 22.75 in).
Add 1½ inch to depth for front panel connectors.

HP 35676A/B Reflection/Transmission Test Kits

Operating in conjunction with internal calibration routines in the HP 3577B, the HP 35676A/B test kit provides measurements of reflection, transmission and impedance from 5 Hz to 200 MHz. Each test kit contains a precision resistive divider, a reference load, a coaxial short, a carrying case, and miscellaneous cables and hardware.

HP 35676A/B Operating Characteristics*

Frequency range: 5 Hz to 200 MHz.

Test port impedance: 50Ω ± 2% typical (HP 35676A) 75 Ω ± 2% typical (HP 35676B).

Equivalent directivity: 40 dB typical.

Equivalent source match: 30 dB typical (HP 35676A); 25 dB typical (HP 35676B).

*Typical, assuming proper calibration with accessories supplied.

Ordering Information

	Price
HP 3577B Network analyzer	\$19,750
Opt 001 Frequency reference	+ \$850
Opt 002 Third receiver	+ \$3,450
Opt 1C2 HP Instrument BASIC/ 640 Kbytes RAM	+ \$950
Opt 907 Front handle kit	+ \$79
Opt 908 Rack Mount kit	+ \$42
Opt 909 Rack Mount and front handle kit	+ \$105
Opt 910 Extra operating and service manual	+ \$250
Opt 911 Extra HP Instrument BASIC manual	+ \$10
Opt W30 Extended repair service. See page 671.	+ \$450
HP 35676A 50 Ω reflection/transmission test kit	\$1,465
Opt W30 Extended repair service. See page 671.	+ \$45
HP 35676B 75 Ω Reflection/transmission test kit	\$1,750
HP 35677A 50 Ω S-parameter test set	\$4,300
HP 35677B 75 Ω S-parameter test set	\$4,300
Opt 907 Front handle kit	+ \$52
Opt 908 Rack Mount kit	+ \$27
Opt 909 Rack Mount and front handle kit	+ \$63
Opt 910 Extra operating and service manuals	+ \$47
HP 35678A 50 Ω type N calibration kit	\$825
HP 35678B 75 Ω type N calibration kit	\$1,575
HP 35679A 50 Ω type N port extension cables	\$550
HP 35679B 75 Ω type N port extension cables	\$1,850
HP 85024A high-frequency probe	\$2,300



HP 3575A

HP 3575A Gain-Phase Meter

The HP 3575A gain-phase meter is a broadband two-channel analyzer typically used to measure transfer functions such as amplifier gain/loss or the frequency response of filters. It can be used to measure the ratio and relative phase of any two signals on its two-channel inputs and for absolute measurements of signals on each channel. A wide range of input waveforms can be measured, including sine, square, and triangular waveforms. A three-digit display can be selected to read amplitude level/ratio or phase of the input signals. An optional three-digit readout and analog output is available for simultaneous amplitude and phase measurements.

Specifications Summary

Frequency: 1 Hz to 13 MHz

Level: 200 μV rms to 20 V rms

Number of channels: 2

Impedance: 1 MΩ in parallel with 30 pF

Protection: ± 40 V dc, 20 V rms

Nominal amplitude accuracy: ± 1 dB (See data sheet for complete accuracy specifications.)

Amplitude functions: A dBV, B dBV, or B/A dB

Range: A dBV, B dBV: -74 dBV to +26 dBV (in two ranges)

B/A dB: -100 to +100 dB

Resolution: 0.1 dB

Nominal phase accuracy: ± 0.5 degrees (See data sheet for complete accuracy specifications.)

Range: ± 180° with 12° of overrange

Resolution: 0.1°

General

Power: 115 V / 230 V ± 10%, 48 Hz to 440 Hz, 40 VA

Weight: net, 8.3 kg (18.4 lb); shipping, 11.3 kg (25.8 lb)

Size: 88 mm H × 425 mm W × 337 mm D (3.47 in × 16.75 in × 13.25 in)

Contact your local HP sales office for more information including a data sheet containing complete specifications.

Ordering Information

	Price
HP 3575A Gain/Phase Meter	\$7,180
Opt 001 Dual readouts/dual outputs	+ \$670
Opt 002* BCD programming (negative true)	+ \$1,135
Opt 003* BCD programming (positive true)	+ \$1,135
Opt 908 Rack flange kit	+ \$37
Opt 910 Extra manual	+ \$53
Opt W30 Extended repair service. See page 671.	+ \$145

*Note: Includes Option 001