

# 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 1/4 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).

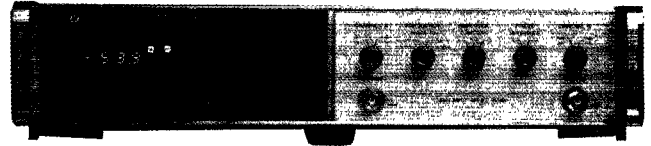
**Equivalent directivity:** 40 dB typical.

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

\*Typical, assuming proper calibration with accessories supplied.

#### Ordering Information

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

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

\*Note: Includes Option 001