

Receiver**Frequency Range:** 5 Hz to 500 MHz**Input Range:** 0 dBm @ ATT = 20 dB
-20 dBm @ ATT = 0 dB**IF Bandwidth:** 2 Hz, 20 Hz, 200 Hz, 2 kHz, 4 kHz**Noise Level:** -130 dBm @ IFBW=20 Hz, ATT=0 dB,
frequency \geq 100 kHz**Maximum Input Level:** 0 dBm**Impedance:** 50 Ω **Crosstalk:** < -100 dB**Dynamic Accuracy:** ± 0.02 dB, $\pm 0.12^\circ$ (input level -10 to -50 dB,
20 Hz IFBW)**Delay Characteristics:****Aperture Frequency:** 0.5 to 20%**Display Range:** 10 ps to 500 s**Accuracy:** (Phase accuracy)/(360 \times aperture)**Size:** 425 mm W \times 235 mm H \times 553 mm D (16.75 in \times 9.25 in \times
21.77 in)**Weight:** 28 kg (61.6 lb)**HP 8751A Accessories****HP 87511A 50 Ω S-Parameter Test Set****HP 87511B 75 Ω S-Parameter Test Set**

The HP 87511A/B S-Parameter Test Sets provide the capability to measure reflection and transmission characteristics (including S-parameters) of two port devices in either direction with a single connection. The frequency range of the HP 87511A/B test sets is 100 kHz to 500 MHz. The test sets are controlled from the HP 8751A.

HP 87511A/B Specifications

	HP 87511A	HP 87511B
Impedance	50 Ω	75 Ω
Frequency range	100 kHz to 500 MHz	100 kHz to 500 MHz
Directivity	≥ 35 dB from 300 kHz to 500 MHz	33 dB from 300 kHz to 500 MHz
Typical tracking S ₂₁ , S ₁₂ S ₁₁ , S ₂₂	± 1 dB, $\pm 5^\circ$ ± 1 dB, $\pm 5^\circ$	± 1 dB, $\pm 5^\circ$ ± 1 dB, $\pm 5^\circ$
Nominal insertion loss RF input to Port 1,2 RF input to R,A,B Port 1,2 to A,B	13 dB 19 dB 6 dB	19 dB 31 dB 6 dB
Max operating level	+20 dBm	+20 dBm
Damage level	+23 dBm	+23 dBm
Size	426 W \times 90 H \times 553 mm D	426 W \times 90 H \times 553 mm D
Weight	5.7 kg	5.7 kg

HP 87512A 50 Ω Transmission/Reflection Test Kit**HP 87512B 75 Ω Transmission/Reflection Test Kit**

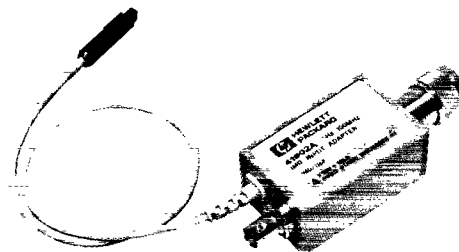
The HP 87512A/B transmission/reflection test kits provide the capability to measure transmission and reflection characteristics. The frequency range of the HP 87512A/B test kits is dc to 2 GHz.

HP 87512A/B Specifications

	HP 87512A	HP 87512B
Impedance	50 Ω	75 Ω
Insertion loss	10 \pm 1 dB typical	
Equivalent directivity	> 40 dB typical	
Equivalent source match	> 30 dB typical	> 25 dB typical

HP 41802A 1-M Ω Input Adapter

The HP 41802A 1 M Ω input adapter provides the capability to perform high-impedance measurement using HP network and spectrum analyzers. The frequency range of the HP 41802A input adapter is 5 Hz to 100 MHz. Passive probe is required for measurement (probing).



HP 41802A

HP 41802A Specifications**Frequency Range:** 5 Hz to 100 MHz**Adaptor Gain:** 0 dB \pm 0.5 dB @ 1 MHz**Input R, C (typical):** 1 M Ω , 12 pF**1dB Gain Compression:** 0.32 V rms (+3 dBm, 50 Ω terminated)**Damage Level:** 2 V rms, \pm 50 Vdc**Size:** 28 mm H \times 42 mm W \times 100 mm D (1.1 in \times 1.65 in \times 3.94 in)**Weight:** 400 g (0.88 lb)**Other Accessories****HP 85031B** Precision 7 mm Calibration Kit**HP 85032B** 50 Ω Type-N Calibration Kit**HP 85033C** Precision 3.5 mm Calibration Kit**HP 85036B** 75 Ω Type-N Calibration Kit**HP 11850C** 50 Ω Power Splitter**HP 11850D** 75 Ω Power Splitter**HP 11853A** 50 Ω Type-N Accessory Kit**HP 11854A** 50 Ω BNC Accessory Kit**HP 11855A** 75 Ω Type-N Accessory Kit**HP 11856A** 75 Ω BNC Accessory Kit**Ordering Information**

	Price
HP 8751A Network Analyzer	\$23,980
Opt 001 High-Stability Frequency Reference	+ \$850
Opt 002 HP Instrument BASIC and 1 MB RAM	+ \$1,000
Opt 907 Front Handle Kit	+ \$75
Opt 908 Rack Mount Kit	+ \$40
Opt 909 Rack Flange and Handle Kit	+ \$105
Opt 910 Extra Operating Manual	+ \$160
Opt 915 Add Service Manual	+ \$140
Opt W30 Extended Repair Service (see page 624)	+ \$425
HP 87511A 50 Ω S-Parameter Test Set	\$5,500
Opt 001 N-Type Port	\$0
HP 87511B 75 Ω S-Parameter Test Set	\$5,000

Options (common for the HP 87511A/B)

Opt 907 Front Handle Kit	+ \$50
Opt 908 Rack Mount Kit	+ \$31
Opt 909 Rack Flange and Handle Kit	+ \$72.50
Opt 910 Extra Operating Manual	+ \$50
HP 87512A 50 Ω Transmission/Reflection Test Kit	\$2,200
HP 87512B 75 Ω Transmission/Reflection Test Kit	\$2,800
HP 41802A 1 M Ω Input Adapter	\$900
HP 41800A Active Probe	\$1,915