

HP 41951A Impedance Test Kit

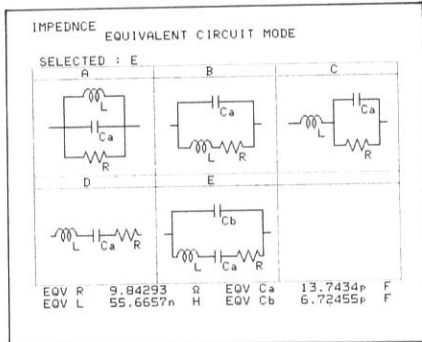
The HP 41951A can be used for impedance measurements from 100kHz to 500MHz when used with the HP 4195A.

Measured Parameters: $|Z|$, $|Y|$, θ , L, C, R, X, G, B, D, and Q

Error Compensation: 1 port cal, open/short offset and port extension

Equivalent Circuit Analysis: Circuit constants approximation and simulation of frequency characteristics

Available Accessories: Refer to page 283.



HP 4195A With HP 41952A

41800A Active Probe

The HP 41800A Active Probe is a high input impedance probe which covers the frequency from 5Hz to 500MHz, and makes it easy to perform signal analysis of circuits in audio, video, HF and VHF band. For both spectrum and network analysis, the HP 41800A presents a great value by its low distortion and low noise characteristics. The HP 41800A is directly compatible with HP analyzers, such as the HP 4195A, HP 3577A, HP 3585A or HP 8568B, which supply probe power from the front panel.

Specifications

Bandwidth: 5Hz to 500MHz

Input R, C (nominal): 100k ohm, 3pF (probe alone)

Average Noise Level (typical): 10nV/ $\sqrt{\text{Hz}}$ 300kHz to 500MHz

2nd Harmonic Distortion: < -50dBc -20dBc input

Output Connector: 50 ohm type N male

Accessories Furnished: 10:1 divider, hook tip, ground leads, spare tips, BNC male adaptor and so on

41952A/B Transmission/Reflection Test Sets

The HP 41952A/B Transmission/Reflection Test Sets provide a neat solution to the HP 4195A Network/Spectrum Analyzer to measure both transmission and reflection characteristics. The HP 41952A/B are directly connected to the HP 4195A and include a power splitter and a directional coupler in each compact box. Furthermore, two test sets of the HP 41952A or 41952B (opt. 009) allow the HP 4195A to perform full s parameters measurement without having to remove and reverse the device. The HP 41952A is used for 50 ohm application, and the HP 41952B is used for 75 ohm application.

SPECIFICATIONS

	HP 41952A	HP 41952B
Impedance:	50 ohm	75 ohm
Frequency Range:	100kHz - 500MHz	100kHz - 500MHz
Directivity:	40dB @300kHz-200MHz	35dB @300kHz-200MHz
Frequency Response: *1		
Transmission Magnitude, Phase (@ $\geq 300\text{kHz}$) :	$\pm 1\text{dB}$, $\pm 5\text{deg}$	$\pm 1\text{dB}$, $\pm 5\text{deg}$
Reflection Magnitude, Phase (@ $\geq 1\text{MHz}$) :	$\pm 1\text{dB}$, $\pm 5\text{deg}$	$\pm 1\text{dB}$, $\pm 5\text{deg}$
Effective Source Match:	>20dB @ $\geq 300\text{kHz}$	>20dB @ $\geq 300\text{kHz}$
Test Port:		
Connector:		
Test Port:	50 ohm type N-(F)	75 ohm type N-(F)
Accessories Furnished:	50 ohm N cable Operating Note Carrying Case	50 ohm N cable HP 11852B M. L. Pad Operating Note Carrying Case

Note: HP 41952B opt. 009 deletes 50 ohm N cable and HP 11852B.

*1 : Typical

AccuSource

Electronics

Your Source for Quality Pre-Owned

Toll Free: 800-673-4102 Electronic Test Equipment

www.accusrc.com

Accessories Available

HP 85044A/B Transmission/Reflection Test Set

Refer to page 232.

HP 85024A High Frequency Probe

Refer to page 230.

Ordering Information

4195A Network/Spectrum Analyzer

Opt W30: 3-year hardware support

Opt 001: High Stability Frequency Reference Improve the stability of frequency for evaluation high Q devices such as crystal filter, oscillator or resonator.

Frequency Accuracy: ± 1 ppm ($23^\circ\text{C} \pm 5^\circ\text{C}$)

Frequency Stability: $\pm 1 \times 10^{-8}$ ($23^\circ\text{C} \pm 5^\circ\text{C}$)

Opt 907: Front Handle Kit

Opt 908: Rack Flange Kit

Opt 909: Rack and Handle Kit

Opt 910: Extra OP manual

41951A Impedance Test Kit

41952A 50 Ω Transmission/Reflection Test Set

41952B 75 Ω Transmission/Reflection Test Set

Opt 009: Delete 50 Ω N Cable and 11852B

41800A Active Probe

Price

\$25,000

\$575

\$850

\$133

\$74

\$189

\$50

\$1500

\$2200

\$2700

-\$500

\$1700