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TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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Expert team | Trust guarantee | 100% satisfaction

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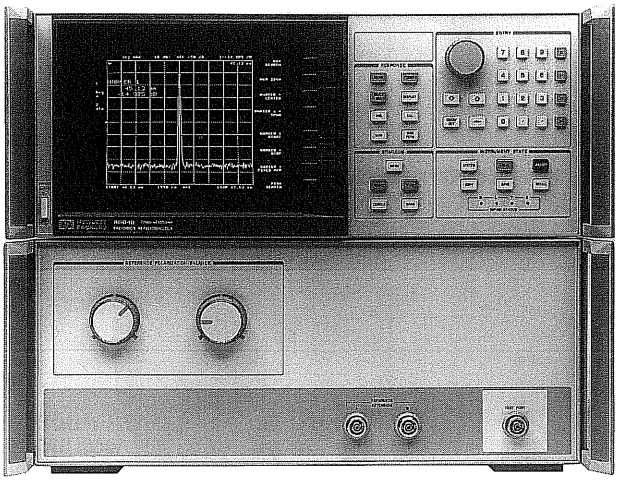
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PRECISION REFLECTOMETER & LIGHTWAVE SWITCHING

Precision Reflectometer & Lightwave Switches

HP 8504B, 86060/1/2/3/4A

- Return loss measurement range beyond 80 dB
- 25 μm two-event resolution (in air, 16 μm in glass)
- 1300 and 1550 nm wavelengths
- 1 mm to 400 mm scan widths

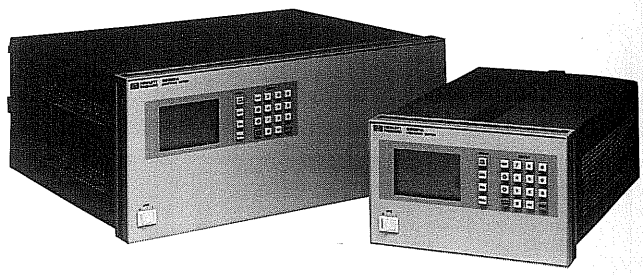


HP 8504B

DESIGNED FOR HP-IB SYSTEMS

NEW

- Visual signal path display with easy-to-use manual interface
- Repeatable switching with 10 million cycle minimum life
- HP-IB or RS-232 control



HP 86061/2A

DESIGNED FOR HP-IB SYSTEMS

HP 8504B Precision Reflectometer

The HP 8504B precision reflectometer provides state-of-the-art lightwave reflection measurements. Individual reflections are measured and displayed as a function of distance or position. Return loss measurements beyond 80 dB are achievable, even when larger reflections are present in the measurement path. Two reflections can be closer than 25 μm (equivalent distance in air) and still be individually identified. Engineers and scientists now have a tool to precisely locate, identify, and quantify individual reflections within lightwave components and assemblies. Designs are optimized easily in the development phase. In product manufacturing, problems are solved quickly as even very small faults and discontinuities are found easily. Calibrated measurements are performed in seconds using a simple user interface and a rapid scan rate.

The HP 8504B precision reflectometer measures connectorized components in single-mode fiber. (Performance is good, but not optimum in multimode fiber.) The measurement span can be varied from 1 mm to 40 cm. The location of the 40 cm measurement window can be offset by adding the appropriate length of extension cable. Measurements are made using internal 1300 nm and 1550 nm light sources.

The HP 8504B can also be an important tool in preventing and solving component failure modes. Determining the precise location of a crack or break in a small optical assembly is easily achieved.

In addition to measuring reflections, there are also a variety of other applications including source coherence functions, precision length measurements, and characterization of the effects of birefringence (including polarization mode dispersion and fiber beat length).

Specifications

	1300 nm	1550 nm
Return Loss Range:	0 to 80 dB	0 to 80 dB
Return Loss Accuracy:	±2 dB	±2 dB
Return Loss Repeatability:	±1 dB	±1 dB
Two-Event Spatial Resolution:	25 μm	50 μm

Ordering Information

	Price
HP 8504B Precision Reflectometer	$45,000
Opt 001 6 Fiber Optic Cable Pairs	$3,000

HP 86060 Series of Lightwave Switches

The HP 86060 series lightwave switches cover a broad range of switching capacity and provide easy signal routing for accurate and repeatable measurement automation. These switches provide an important building block for implementing automated test systems.

The HP 86060 switch family features an easy-to-use manual interface and a visual signal routing display. The interface allows quick manual operation for initially setting up a measurement or for quick investigation of test device performance. Selected switch positions can be saved and recalled. The swit to automated test systems using SCPI-c B or an optional RS-232 interface.

The HP 86060A anc switches designed to conserve benchtop s f a shelf when integrated into automate eal for small scale switching in systems cc ightwave multimeters, and optical spec)A features front panel connectors for co r models feature standard rear panel co are full-width instruments designed for luation testing of large numbers of devic

The HP 86060 series for single-mode, 9/125 μm operation. S 1×N switching module is built around ptional 2×N (or N×2) switching is prov h with the 1×N. Hewlett-Packard's ligh r long, reliable, service with excellent re s, and low insertion loss for accurate lig

Standard configurati le fibers suitable for fusion splicing, or F Other connector types including DIN, Di tact are available on request. Note, unlik ucts, these lightwave connector types a

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Ordering Informatic

Note: In addition to t l below, special switch configurations m eet your system requirements. This may or other switching combinations.

	Price
HP 86060A 1×4 Lightwa	$5,250
HP 86061A 1×8 Lightwave Switch	$6,900
HP 86062A 1×25 Lightwave Switch	$13,800
HP 86063A 1×50 Lightwave Switch	$24,200
HP 86064A 1×100 Lightwave Switch	$44,900
Opt 002 Two input channels instead of one	$1,050
Opt 009 RS 232 interface	$45

Contents: One 86060/1/2/3/4 switch, measured insertion loss and return loss data supplied for each channel, one user's manual.

For the most current prices and product information, contact your local Hewlett-Packard sales office—see page 632.

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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