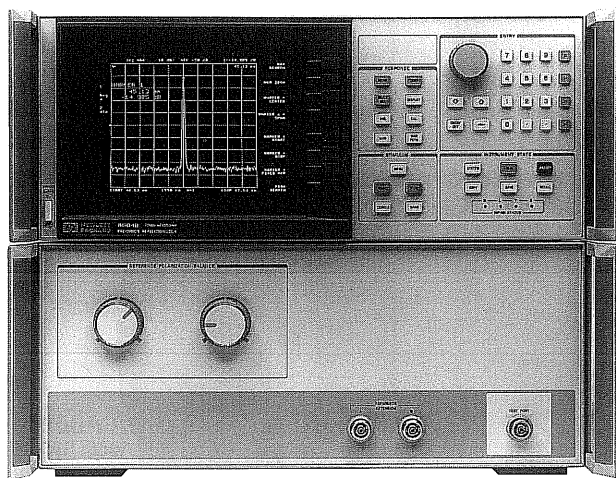


PRECISION REFLECTOMETER & LIGHTWAVE SWITCHING

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



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).

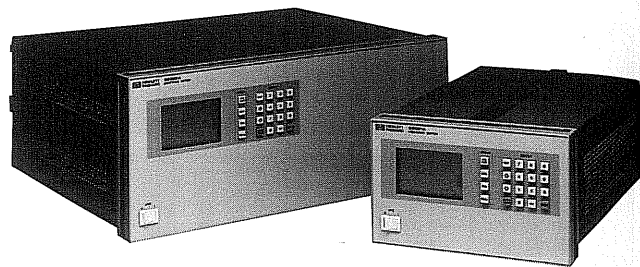
Specifications

	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

- 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



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 switch systems using SCPI or RS-232 interface.

The HP 86060A and to conserve benchtop integrated into automate switching in systems connectors, and optical standard rear panel connectors designed for large numbers of devices.

The HP 86060 series 9/125 μm operation. S module is built around N \times 2) switching is provided by Hewlett-Packard's lightwave service with excellent return loss for accurate lightwave switching.

Standard configurations for fusion splicing, or fiber types including DIN, DIN on request. Note, unlike wave connector types are

Ordering Information

Note: In addition to the switch configurations in requirements. This may include combinations.

HP 86060A 1 \times 4 Lightwave Switch	\$5,250
HP 86061A 1 \times 8 Lightwave Switch	\$6,900
HP 86062A 1 \times 25 Lightwave Switch	\$13,800
HP 86063A 1 \times 50 Lightwave Switch	\$24,200
HP 86064A 1 \times 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.

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www.accusrc.com

Compliments of

to automated test B or an optional

switches designed f a shelf when in- deal for small scale lightwave multim- 1A features front er models feature are full-width in- luation testing of

for single-mode, : 1 \times N switching ptional 2 \times N (or h with the 1 \times N, or long, reliable, is, and low inser-

le fibers suitable Other connector tact are available ucts, these light-

1 below, special eet your system or other switch-

Price
\$5,250
\$6,900
\$13,800
\$24,200
\$44,900
\$1,050
\$45