

LIGHTWAVE TEST EQUIPMENT

Lightwave Multimeter/Light Sources

HP 8153A, 8154B, 8155A

379

Ordering Information

HP 8153A Lightwave Multimeter Mainframe

Power Sensor Modules¹

HP 81530A Si, +3 to -110 dBm, 450 to 1020 nm

HP 81531A InGaAs, +3 to -90 dBm, 800 to 1700 nm

HP 81532A InGaAs, +3 to -110 dBm, 800 to 1700 nm

HP 81536A InGaAs, +3 to -70 dBm, 800 to 1700 nm

Optical heads²

HP 81533A Optical Head Interface Module³

HP 81520A Optical Head, Si, +10 to -100 dBm, 450 to 1020 nm

HP 81521B Optical Head, Ge, +3 to -80 dBm, 900 to 1700 nm

Laser Source Modules¹

HP 81551MM 850 nm, Multimode

HP 81552SM 1310 nm, Single-Mode

HP 81553SM 1550 nm, Single-Mode

HP 81554SM 1310/1550 nm, Single-Mode

LED Source Modules¹

HP 81541MM 850 μm , 50 μm Multimode Fiber Output

HP 81542MM 1300 μm , 50 μm Multimode Fiber Output

HP 81542MM Opt 001 62.5 μm fiber instead of 50 μm fiber output

Return Loss Module⁴ and Accessories

HP 81534A Return Loss Module

HP 81102BC Patch-cord HRL, bare fiber

HP 81109AC Patch-cord HRL, Diamond HMS-10/HP

HP 81000UM Universal Through Adapter

HP 81000BR Reference Reflector

Price

\$2,800

\$2,850

\$2,950

\$4,600

\$2,400

\$1,050

\$2,300

\$2,650

\$5,950

\$5,950

\$9,200

\$11,700

\$3,250

\$4,550

\$320

\$5,650

\$420

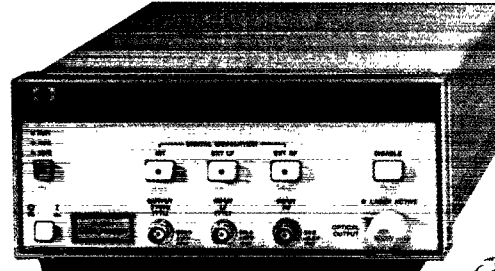
\$700

\$95

\$230

Light Sources

- High stability
- User-exchangeable connector interfaces
- External modulation up to 850 MHz (HP 8155A)



HP 8155A, Option 002

HP 8154B, 8155A Light Sources

The HP 8154B high-performance LED source is the ideal stimulus for every precise measurement on multimode fibers and components. It offers internal modulation at 270 Hz and can be externally modulated up to 1 MHz.

The HP 8155A is a highly stable laser source with external digital modulation capabilities up to 850 MHz for performance tests on fast telecommunication links.

HP 8154B LED Source Specifications

	Option 001	Option 002	Option 003
Wavelength	850 \pm 30 nm	1300 \pm 40 nm	1550 \pm 40 nm
Fiber Type	50/125 μm	50/125 μm	50/125 μm
Output Power	> -17 dBm	> -20 dBm	> -23 dBm
Stability (12 h)	\pm 0.03 dB	\pm 0.02 dB	\pm 0.02 dB

HP 8155A Laser Source Specifications

	Option 002	Option 003
Wavelength	1300 \pm 30 nm	1550 \pm 40 nm
Fiber Type	9/125 μm	9/125 μm
Output Power	> -4 dBm	> -4 dBm
Stability (12 h)	\pm 0.03 dB	\pm 0.03 dB

¹One connector interface (HP 81000xl) required per module.

²For required lenses and adapters, see lightwave catalog.

³Required to connect the optical head to the mainframe.

⁴Two connector interfaces (HP 81000xl) required per module.

Ordering Information

HP 8154B LED-Source Mainframe* \$2,950

Opt 001 850 nm Central Wavelength + \$1,500

Opt 002 1300 nm Central Wavelength + \$3,450

Opt 003 1550 nm Central Wavelength + \$4,850

Opt W30 Extended Repair Service (see page 671) + \$50

Opt W32 Calibration service (see page 671) + \$115

HP 8155A Laser-Source Mainframe* \$3,450

Opt 002 1300 nm Central Wavelength + \$9,650

Opt 003 1550 nm Central Wavelength + \$11,800

Opt W30 Extended Repair Service (see page 671) + \$65

Options for Both Instruments

Opt 907 Front Handle Kit + \$50

Opt 908 Rack Flange Kit + \$50

Opt 914 Extra Operating and Service Manual + \$110

Opt 916 Add. Operating and Programming Manual + \$30

*One connector interface (HP 81000xl) per mainframe required.