Lightwave test accessories for HP 8145A, HP 81520A, HP 81521B, HP 8154B, HP 8155A, HP 8157A, HP 8158B

One end of the 2m optical cable is terminated with the standard Diamond HMS-10/HP connector. The other end can be selected from the following table.

Customer Connector	Cable 10/125um 2.5mm Ferrule	Price	Cable 50/125um 2.5mm Ferrule	Price	Cable 62.5/125um 2.5mm Ferrule	Price	Cable 100/140um 2.5mm Ferrule	Price
Diamond* HMS-10/HP	HP 81101AC	----	HP 81501AC	----	HP 81621AC	----	HP 81991AC	----
Bare Fiber	HP 81101BC		HP 81501BC		HP 81621BC		HP 81991BC	
FC	HP 81101FC		HP 81501FC		—		—	
Radial VFO-DF slant	HP 81101EDC		—		—		—	
straight	HP 81101DEC		—		—		—	
NEC D4	HP 81101GC		HP 81501GC		—		—	
Amphenol 906 SMA	—		HP 81501HC		HP 81621HC		HP 81991HC	
AMP-SMA	—		HP 81501JC		—		HP 81991JC	
F&G 3702	—		HP 81501LC		—		—	
Stratos 430	—		HP 81501NC		—		—	
PC	HP 81101PC		—		—		—	
DIN 47256	HP 81101SC		HP 81501SC		—		—	
ST	HP 81101VC		HP 81501VC		HP 81621VC		—	
Biconic	HP 81101WC		HP 81501WC		—		—	
Diamond* HFS-1	—	—	HP 81501YC		—		—	

Lenses

If accurate power measurements from a fiber are required, one of the following lenses must be used in front of the optical head.
HP 81050AL: Lens for 450-1020nm and NA=0.2 fibers[1]
HP 81050BL: Lens for 900-1700nm and NA=0.2 fibers[1]
HP 81010BL: Lens for 900-1700nm and NA=0.1 fibers
[1]Can be used for NA<0.3 fibers

HP 81220FL Attenuating Lens Adapter

This Adapter, screwed onto an HP 81521B Optical Head, allows to measure the power emerging from an LED or LD chip. The beam's NA may be up to 0.5, the wavelength range is 1200nm to 1650nm.

HP 81001FF Fixed Filter

This 10dB fixed filter is used to attenuate signals from sources which are too high powered for the HP optical heads. The 81520A can measure linearly up to +10dBm, and the 81521B up to +3dBm. The wavelength range for the 81001FF is from 450nm to 1700nm.

Optical Power Splitter

The optical power splitter is mode- and polarization insensitive. The split ratio is appr. 1:10. It has to be used with an optical head such as the HP 81521B. One connector option must be ordered. The HP 81000AS/BS Optical Power Splitters are for multimode and single-mode fibers with NA<0.3. (Opt 012, 014 only for multimode)
HP 81000AS: Optical Power Splitter for 600-1200nm
HP 81000BS: Optical Power Splitter for 1200-1600nm
Opt. 011: HMS-10/HP Connector Interfaces
Opt. 012: FC/PC Connector Interfaces multimode only
Opt. 013: DIN 47256 Connector Interfaces
Opt. 014: ST Connector Interfaces multimode only
For single-mode fibers with NA<0.1, a dedicated Power Splitter, the HP 81010BS, is available. The connector interfaces are customer exchangeable. The typical return loss depends on the connectors used.
HP 81010BS: Optical Power Splitter for 1200-1600nm
Opt. 011: HMS-10/HP Connector Interfaces typ.36dB
Opt. 012: FC/PC Connector Interfaces typ.14/30dB
Opt. 013: DIN 47256 Connector Interfaces typ.33dB
Opt. 014: ST Connector Interfaces typ.20dB
Opt. 015: Biconic Connector Interface

HP 81000AF Filterholder

This filterholder picks up all presently available standard filters with a diameter up to 1".

HP 81000AM Through Adapter Diamond

To connect two HMS-10 connectors.

HP 15475A Cleaning Kit

The kit consists of cleaning brush, tissue and tape etc. to clean the optical surfaces of fibers and lenses. It is supplied in a plastic carrying case.

Fiber Optics Handbook Pub.No. 5952-9654

An introduction and reference guide to fiber optic technology and measurement techniques.

☎ Fast-Ship Product—see page 734

Connector adapters for HP 81520A, HP 81521B

To interface the optical head to the optical fiber use one of the following connector adapters.

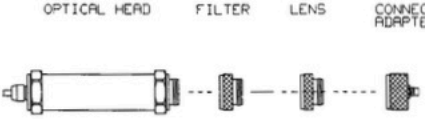
Customer Connector	Adapter for Optical Head	Price
Diamond HMS-10	HP 81000AA	
Bare Fiber, 50/125um	HP 81000BA	
Bare Fiber, 100/140um	HP 81000CA	
Radial VFO-DF	HP 81000DA	
FC	HP 81000FA	
NEC D4	HP 81000GA	
Amphenol 906 SMA	HP 81000JA	
AMP-SMA	HP 81000JA	
F&G 3702	HP 81000LA	
Stratos 430	HP 81000NA	
PC	HP 81000FA	
DIN 47256	HP 81000SA	
ST	HP 81000VA	
Biconic	HP 81000WA	
Diamond* HFS-1	HP 81000YA	
Blank Adapter	HP 81000ZA	

HP 81000RA Non-Reflective Adapter

Low insertion loss (typ. 0.06dB) and high return loss. Together with the HP 81000RA Non-reflective Adapter one of the customer-exchangeable connecter interfaces must be used. The connector interfaces listed below can be ordered also separately.

Customer-Exchangeable Connector Interfaces

Available Connector Interfaces	Typ. Return Loss	Price
HP 81000 AI Diamond* HMS-10/HP	38 dB	
HP 81000 FI PC	33 dB	
HP 81000 SI DIN 47256	36 dB	
HP 81000 VI ST	33 dB	
HP 81000 WI Biconic	30 dB	

Optical Power Splitter
HP 81010BS

Non-Reflective Adapter
HP 81000RA