

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 8101AC	---	HP 81501AC	---	HP 81621AC	---	HP 81991AC	---
Bare Fiber	HP 8101BC	---	HP 81501BC	---	HP 81621BC	---	HP 81991BC	---
FC	HP 8101FC	---	HP 81501FC	---	---	---	---	---
Radial VFO-DF slant	HP 8101DEC	---	---	---	---	---	---	---
straight	HP 8101DEC	---	---	---	---	---	---	---
NEC D4	HP 8101GC	---	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 8101PC	---	---	---	---	---	---	---
DIN 47256	HP 8101SC	---	HP 81501SC	---	---	---	---	---
ST	HP 8101VC	---	HP 81501VC	---	HP 81621VC	---	---	---
Biconic	HP 8101WC	---	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!

HP 81050BL: Lens for 900-1700nm and NA=0.2 fibers!

HP 81010BL: Lens for 900-1700nm and NA=0.1 fibers

*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 81000KA	---
F&G 3702	HP 81000LA	---
Stratos 430	HP 81000MA	---
PC	HP 81000NA	---
DIN 47256	HP 81000OA	---
ST	HP 81000PA	---
Biconic	HP 81000QA	---
Diamond* HFS-1	HP 81000RA	---
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 connector 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



OPTICAL HEAD

FILTER

LENS

CONNECTOR
ADAPTER
