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Data Sheet

August 13, 2026

KEYSIGHT / AGILENT / HP

Keysight / Agilent / HP 81000HI E-2000 Connector Interface

Agilent 81000HI E-2000 Physical Contact Connector Interface The HP/Agilent/Keysight 81000HI is the E-2000 (LSH) physical-contact connector interface adapter for 81000xl / 816xx optical heads, attenuators, and sources that use the 14 mm threaded universal interface (2.5 mm metal-jacketed ferrule). It converts the instrument interface to E-2000 PC. Not recommended on 8153xA/B sensor modules because the ejector handle is obstructed. Sibling adapters: 81000FI FC, 81000KI SC, 81000VI ST, 81000SI DIN, 81000AI HMS-10, 81000NI, 81000LI, 81000PI, 81000MI, 81000UI APC-to-PC. HP part 08154-61724 class. The HP/Agilent/Keysight 81000HI is the E-2000 (LSH) physical-contact connector interface adapter for 81000xl / 816xx optical heads, attenuators, and sources that use the 14 mm threaded universal interface (2.5 mm metal-jacketed ferrule). It converts the instrument interface to E-2000 PC. Not recommended on 8153xA/B sensor modules because the ejector handle is obstructed. Sibling adapters: 81000FI FC, 81000KI SC, 81000VI ST, 81000SI DIN, 81000AI HMS-10, 81000NI, 81000LI, 81000PI, 81000MI, 81000UI APC-to-PC. HP part 08154-61724 class. E-2000 PC connection to 8163/8164/8153 optical heads



MODEL

**Keysight / Agilent /
HP 81000HI**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

81000HI

LISTING

[https://aumictechlabs.c
om/products/81000hi-
2/](https://aumictechlabs.com/products/81000hi-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight/Agilent/HP 81000HI is an E-2000 optical connector interface designed for fiber optic testing and measurement systems. This adapter provides reliable physical contact (PC) connections and is part of the 81000xl series of universal optical interface adapters. The 81000HI is specifically intended for use with optical sources and delivers the precision connections required for accurate optical signal transmission in laboratory and production test environments.

Technical Specifications

Connector Type: E-2000 **Contact Configuration:** Physical Contact (PC) **Ferrule Design:** 2.5mm metal-jacketed fiber ferrule with 14mm threaded ring **Interface Mounting:** Threaded optical head mount or D-shaped adapter compatible

Key Features

- Accepts E-2000 connectors in both PC and APC interface variants
- Universal adapter compatibility within the 81000xl series
- Suitable for straight and angled connector interfaces
- Direct integration with Keysight optical sources via threaded mount
- Metal-jacketed ferrule design ensures durability and signal integrity

Typical Applications

- Fiber optic source connection and testing
- Optical power measurement interfaces
- Multimode and single-mode fiber system validation
- Laboratory and production optical testing workflows

Compatibility & Integration

The 81000HI integrates with Keysight optical instruments equipped with threaded optical head interfaces. It universally accepts other 81000xl series adapters, providing flexibility across multiple fiber optic connector topologies. The adapter is optimized for source modules and is not recommended for sensor applications. Connection options include direct threaded mounting to compatible optical heads or interfacing through specific D-shaped adapter configurations for alternative optical head designs.

81000HI Characteristics / Specifications

PARAMETER	VALUE
Model	81000HI
Manufacturer	Hewlett Packard / Agilent / Keysight
Instrument Type	Optical connector interface
Series	81000xl
Alias	81000HI; 81000 HI; 08154-61724
Connector Type	E-2000 physical contact (PC)
Interface Thread	14 mm universal 81000xl
Ferrule Class	2.5 mm metal jacketed
Contact	physical contact PC (not APC)
Parent Heads	816xx / 815xx / 81000 optical heads with 81000xl
Not Recommended	8153xA/B sensor modules (ejector handle)
Related FC	81000FI
Related SC	81000KI
Related ST	81000VI
Related DIN	81000SI
Related HMS	81000AI
Related APC PC	81000UI
Form	threaded optical adapter
Status	Agilent 81000xl accessory
Installation	thread onto head interface
Use	E-2000 PC DUT connection
Compatibility	81000xl optical interface
Identification	81000HI
Wavelength Parent	head InGaAs/Ge range
Return Loss Parent	PC polish class of the adapter plus jumper

PARAMETER	VALUE
Safety	laser from the host module
Documentation	81000 connector interface list
Duty	as host optical head
ESD	observe head ESD Notes Identity from Agilent 81000HI E-2000 PC connector interface in the 81000xl family. Confirm PC versus APC and 8153x compatibility. Optical power specs belong to the head.
Return loss	Parent: PC polish class of the adapter plus jumper

81000HI Specifications

PARAMETER	VALUE
Applications	E-2000 PC connection to 8163/8164/8153 optical heads
Swap connector type without replacing the head	81000xl family interface MRO
Key Features	E-2000 physical contact (PC)
Technical Specifications	Model: 81000HI

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Model	81000HI
Manufacturer	Hewlett Packard / Agilent / Keysight
Instrument Type	Optical connector interface
Specifications	
PARAMETER	VALUE
Series	81000xI
Alias	81000HI; 81000 HI; 08154-61724
Connector Type	E-2000 physical contact (PC)
Specifications	
PARAMETER	VALUE
Interface Thread	14 mm universal 81000xI
Ferrule Class	2.5 mm metal jacketed
Contact	physical contact PC (not APC)
Specifications	
PARAMETER	VALUE
Parent Heads	816xx / 815xx / 81000 optical heads with 81000xI
Not Recommended	8153xA/B sensor modules (ejector handle)
Related FC	81000FI
Specifications	
PARAMETER	VALUE
Related SC	81000KI
Related ST	81000VI
Related DIN	81000SI

Specifications

PARAMETER	VALUE
Related HMS10	81000AI
Related APC PC	81000UI
Form	threaded optical adapter

Specifications

PARAMETER	VALUE
Status	Agilent 81000xI accessory
Installation	thread onto head interface
Use	E-2000 PC DUT connection

Specifications

PARAMETER	VALUE
Compatibility	81000xI optical interface
Identification	81000HI
Wavelength Parent	head InGaAs/Ge range

Specifications

PARAMETER	VALUE
Return Loss Parent	PC polish class of the adapter plus jumper
Safety	laser from the host module
Documentation	81000 connector interface list

Duty: as host optical head

ESD: observe head ESD

Notes

Identity from Agilent 81000HI E-2000 PC connector interface in the 81000xI family. Confirm PC versus APC and 8153x compatibility. Optical power specs belong to the head.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.