

81000BI, 81000BC 81000BT, 81004BH, 81009BH Bare Fiber Connectivity Solutions



Value Proposition

The new bare fiber connectivity solutions cuts recurring measurement setup times in R&D and manufacturing environment by using the same bare fiber instrument adapter and provide highest measurement reliability by removing manual and environmental influences.

Features

- Low optical signal influence: PDL < 0.015 dB
- High repeatability on connection: < 0.005 dB
- Light weighted (7 gram), easy to handle, quick connection
- Reusability (1000 times), fits on existing 8162x series, 8152x series, 81630B, 81637B and 81634B
- Process optimization with DIAMOND's Fiber Handling Tools – see www.diamond-fo.com/frameset.asp

Key Applications and Key Needs

Test and verification of fiber based active and passive optical components for PON, CWDM / DWDM and datacom networks

- Optical splitters
- Optical MUX / DMUX
- Optical Amplifiers

Benefits

- Highest accuracy on optical meas.
→ improve development cycles of new products
- Highest confidence on component tests
→ increased production yield
- Bare fiber holder remains during complete production process
→ higher throughput, higher yield
- Compatibility to existing Agilent optical sensors
→ saves customers investment costs
- Process scalability by additional tools
→ optimization of production costs



Ordering Information and Useful Links



Key Specifications:

IL < 0.005 dB typ.
PDL < 0.015 dB typ
(analyzed in test cycles with
disconnecting of the
Fiber Holder and completely
removing of the fiber and reinsertion)

Product Information:

Internet: www.agilent.com/comms/octaccessories
Intranet: <http://pmd.business.agilent.com/products/accessories/index.htm>
Configuration Guides: <http://cp.literature.agilent.com/litweb/pdf/5988-1571EN.pdf>
User's Guide: <http://cp.literature.agilent.com/litweb/pdf/5989-2853EN.pdf>

Ordering Information:

81000BC: Bare Fiber Connectivity Set for 81623B, 81624B and 81626B
(1x head adapter, 1x <400µm holder, 1x 400..900µm holder, 1x gauge)

81000BT: Bare Fiber Connectivity Set for 8162x and 8152x Series (threaded interface)
(1x head adapter, 1x <400µm holder, 1x 400..900µm holder, 1x gauge)

81000BI: Bare Fiber Connectivity Set for 81630B and 81634B
(1x sensor adapter, 1x <400µm holder, 1x 400..900µm holder, 1x gauge)

81004BH: Bare Fiber Holder Set
(10x <400µm holder)

81009BH: Bare Fiber Holder Set
(10x <400..900µm holder)

General Information:

Internet: www.agilent.com/comms/lightwave
Intranet: <http://pmd.business.agilent.com>



Internet / Intranet



Agilent | 8100xBx Bare Fiber Connection Solutions - Microsoft Internet Explorer provided by Agilent Technologies, Inc.

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8100xBx Bare Fiber Connection Solutions

The Agilent Bare Fiber Connectivity Solutions enable the easy and repeatable adaptation of optical components to Agilent's standard sensor modules 81623B, 81624B, 81626B, 81630B and 81634B.

The Solution is available in various packages:

- 81000BC:** Bare Fiber Connectivity Set for 81623B/24B/26B Optical -Heads Containing 1 Optical Head Adaptor, 1 Gauge, 1 Fiber Holder for fiber diameters 0 - 400µm and 1 Fiber Holder for fiber diameters 400 - 900µm.
- 81000B:** Bare Fiber Connectivity Set for 81630B/34B Optical Sensors Containing 1 Optical Sensor Adaptor, 1 Gauge, 1 Fiber Holder for fiber diameters 0 - 400µm and 1 Fiber Holder for fiber diameters 400 - 900µm.
- 81004BH:** Bare Fiber Holder Set for 0 - 400µm fibers (10 each)
- 81009BH:** Bare Fiber Holder Set for 400 - 900µm fibers (10 each)

Features

- Lowest optical signal influence (PDL < 0.015 dB typ)
- Highest repeatability on connection (< 0.005 dB typ)
- Light weighted (7 gram), easy to handle, quick connections
- Reusability (1000 times), fits on existing 8162xA/B, 81630B and 81634B
- Process optimization with DIAMOND's Fiber Handling Tools www.diamond-fo.com/frameset.asp

Key Library Information

In the Library: [Data Sheets, Demonstrations & Catalogs](#) · [Application Notes & Technical Papers](#) · [Manuals & Guides](#) · [Product & Safety Notifications](#) · [Software & Firmware Downloads](#) · [Newsletters, Articles & Presentations](#) · [Frequently-Asked Questions \(FAQs\)](#)

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|--|------------|---------|--|
| Configuration Guide: Agilent Lightwave Solution Platform Configuration Guide This configuration guide gives information on the connector interfaces and the bare face adapters for use with the 8164xA. | 2004-07-28 | 841 KB | |
| Data Sheet: Optical Bare Fiber Connectivity Solutions Instruction Guide This Instruction Guide gives information on the optical bare fiber connectivity solutions. | 2005-04-01 | 2.63 MB | |

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