

Agilent Instrument Connectivity for Optical Bare Fiber Interfaces

Configuration Guide

General description

Testing of fiber pigtailed optical components is a key process step for optical component manufacturers and supports optimization of their productivity and quality. Agilent's new bare fiber connectivity products are designed to deliver high performance repeatable connection with the minimum operator time. The inexpensive bare fiber holder can remain on the device throughout the complete product manufacturing process – by just leaving the lightweight bare fiber holder on the pigtail.

81000BI	81000BC
81000BT	81004BH
81009BH	81004BM
81009BM	

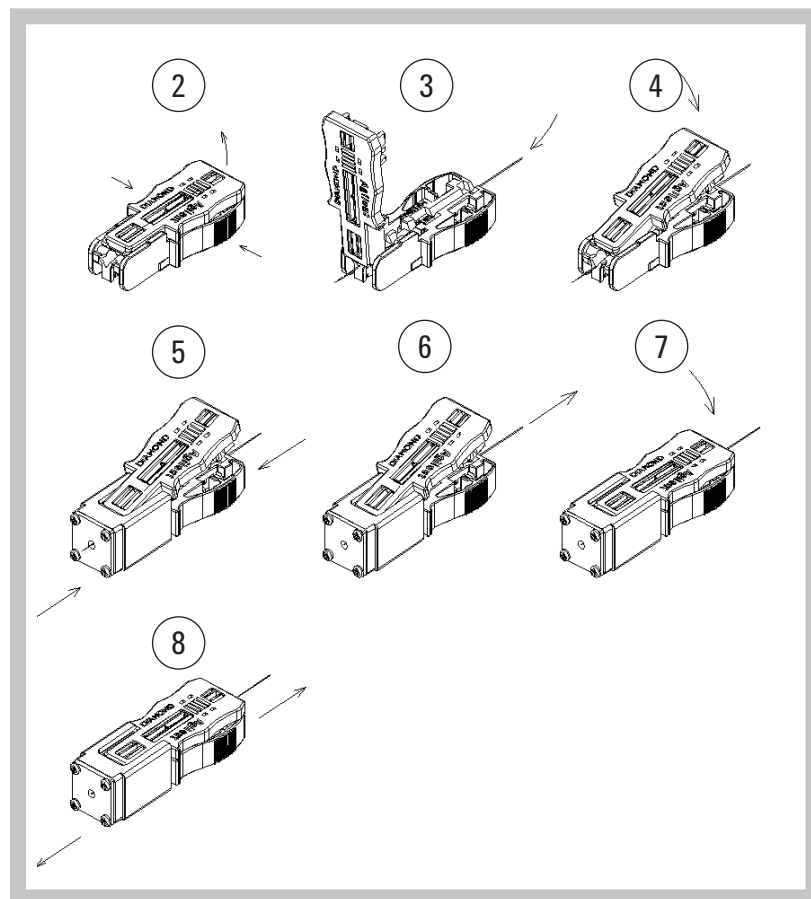
Key benefits

- Faster development of new products by highest optical measurement accuracy
- Increased production yield by highest component test confidence
- Higher production throughput by the reduction of test preparation time
- Saving of investment costs by compatibility to Agilent's standard optical solution platform



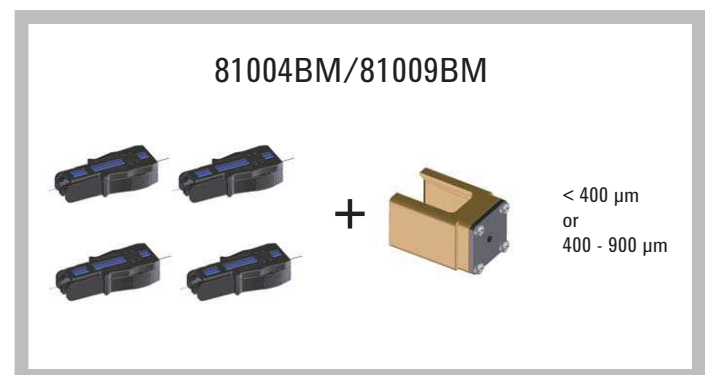
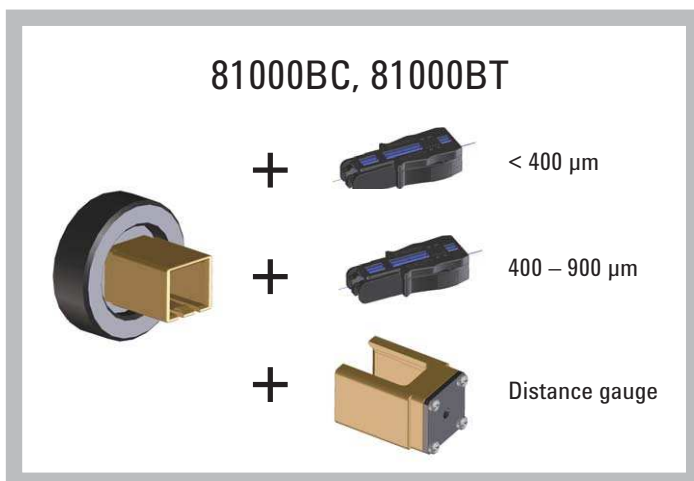
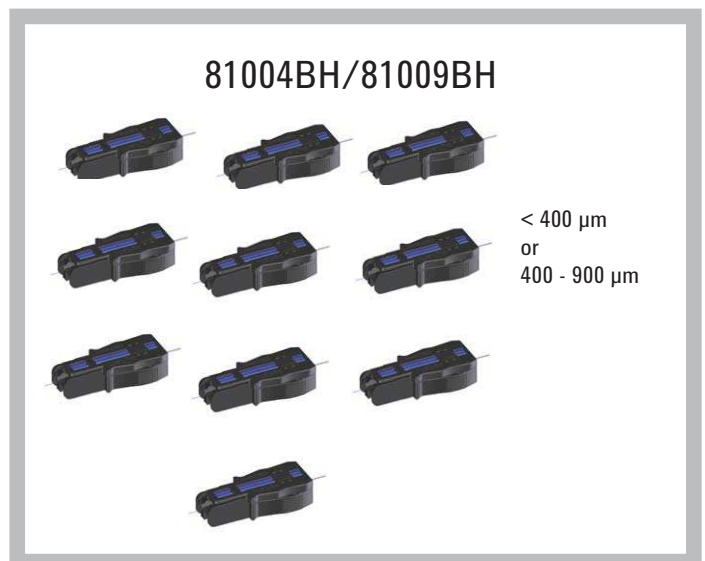
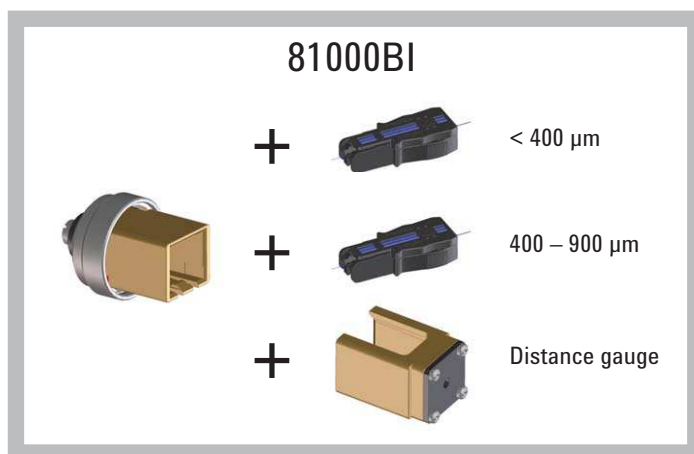
How to use

1. Prepare fiber: Strip and cleave fiber. Remaining blank fiber excess length after cleaving has to be between 5 mm and 11 mm. Select appropriate bare fiber holder: BFH 250/400 for fibers with outside diameter between 250 μm and 400 μm , BFH 900 for fibers with outside diameter of 900 μm (see marking in the base of V-groove of bare fiber holder).
2. Open bare fiber holder (press on left and right side and open top cover).
3. Insert fiber into V-groove of bare fiber holder with fiber extending from front side by 7 – 10 mm.
4. Close bare fiber holder, but do not snap down.
5. Snap bare fiber holder into gauge.
6. Pull back fiber until fiber end is aligned to outer gage surface (± 0.2 mm).
7. Close bare fiber holder (snap down).
8. Remove bare fiber holder from gauge.
9. Plug bare fiber holder into instrument adapter (head adapter, power meter module adapter or bare fiber quad-adapter).



Ordering Instructions

81000BC	Bare fiber connectivity set for 81623B, 81624B, 81626B heads, not compatible with 8152x Series and 81628B
81000BT	Bare fiber connectivity set for 8162x and 8152x optical heads (threaded interface)
81000BI	Bare fiber connectivity set for 81630B, 81634B sensors, for damage reasons do not use for 8153x Series, 81635A and 81636B
81004BH	10 bare fiber holder for fibers < 400 μm diameter
81009BH	10 bare fiber holder for fibers 400 μm - 900 μm diameter
81004BM	Bare fiber holder set for N7740BI bare fiber quad-adapter 0 – 400 μm fibers, 4 each with gauge
81009BM	Bare fiber holder set for N7740BI bare fiber quad-adapter 400 – 900 μm fibers, 4 each with gauge





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Product specifications and descriptions in this document subject to change without notice.

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