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# BF 820

## Bare Fiber Holder

### Product Features

Easy fiber positioning into the holder

V-guides correctly position fiber without damaging it

Design helps avoid changes in polarization due to fiber distortion

Blocks all ambient light from the fiber and the meter

Compatible with Agilent 8153 or 8163A optical power meters

The ILX Lightwave BF-820 Bare Fiber Holder brings new ease to the tedious task of positioning a bare fiber for power measurement. Designed for common telecom fiber, the BF-820 easily and consistently positions the fiber correctly, every time. Inside the BF-820 are opposing V-guides that position the fiber without breaking it or applying too much pressure. This avoids changes in polarization due to distortion. Our easy-to-use fiber holder ensures repeatable results from test-to-test and from user-to-user.

**PATENTED**



## Correctly Positions Fiber, Every Time

 **ILX Lightwave**  
Laser Diode Instrumentation & Test Systems

# BF 820

## Bare Fiber Holder

### Product Overview

#### Compatible with ILX or Agilent Adapter Rings

The dimensions of the BF-820 are compatible with both ILX Lightwave and Agilent adapter rings. Unlike other bare fiber holders, the BF-820 completely encircles the fiber and blocks all ambient light from the fiber and the meter.

#### V-Guides Ensure Correct Placement

The inside of the BF-820 uses opposing V-guides that gently gather the fiber into place as you close it, preventing damage to the fiber. This unique design also ensures there is no excess pressure on the fiber, avoiding polarization distortion.

#### Easy Handling

The convenient finger grips enable single-handed positioning and placement of the BF-820 into the adapter ring. The finger grips feature textured sides designed to ensure slip-free extraction of the holder from the adapter.

ILX has a complete line of accessories designed to facilitate your test and measurement process and to make the difference in product performance. To learn more about the BF-820 Bare Fiber Holder, or any of our other products and accessories, call one of our sales engineers or log onto our web site [www.ilxlightwave.com](http://www.ilxlightwave.com).

### Specifications

|                      |                                       |
|----------------------|---------------------------------------|
| Material:            | 10% glass-filled polycarbonate        |
| Maximum Temperature: | 125°C                                 |
| Fiber:               | 125µm cladding<br>250 to 900µm buffer |
| Cleave:              | Per Federal Standard 1037C            |

#### NOTES

1. A low quality cleave has been observed to cause fiber fusing at high optical powers which can lead to damage of the BF-820.



*Inside the BF-820, opposing V-guides gently gather the fiber into place, ensuring easy and correct fiber placement, every time.*



*The BF-820 Bare Fiber Holder is compatible with both ILX Lightwave and Agilent adapter rings.*

#### ORDERING INFORMATION

|           |  |
|-----------|--|
| BF-820    | Bare Fiber Holder<br>(requires appropriate adapter ring) |
| CA-120    | Bare Fiber Adapter Ring<br>(for FPM-8210, FPM-8210H)     |
| FPM-8210  | Fiber Optic Power Meter                                  |
| FPM-8210H | Fiber Optic Power Meter                                  |
| OMM-6810B | Power and Wavelength Meter                               |
| OMH-6780B | 1W Silicon Power / Wavehead                              |
| OMH-6790B | 10W Silicon Power / Wavehead                             |
| OMH-6795B | 10W InGaAs Power / Wavehead                              |

In keeping with our commitment to continuous improvement, ILX Lightwave reserves the right to change specifications without notice and without liability for such changes.

**ILX Lightwave**  
Laser Diode Instrumentation & Test Systems

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