



FIBERA INC.

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2013A ATHERMAL FBG WAVELENGTH REFERENCE

- **Reliable and accurate**
- **Detachable and reusable when used with mounting brackets**
- **Athermal packaging, extremely stable from -5°C to 70°C**
- **Absolute wavelength provides fast and accurate reference during wavelength scan**
- **Packaged in rugged mechanical housings; suitable for outdoor installation**
- **Flexible mounting with various adaptors**

The Fibera **2013A Athermal Fiber Bragg Grating(FBG) Wavelength Reference** is extremely accurate and stable in temperatures ranging from -5 to 70°C. Rugged mechanical housing provides for easy installation in any environment. The **2013A** can be used as wavelength standard for wavelength scan between 1520nm and 1560nm. The sensors are detachable and reusable when used with mounting brackets.

The Fibera **2013A** Athermal FBG wavelength reference is an ideal wavemeter when coupled with Fibera’s FPIF or FPIR. No stage movement is required since FPIF and FPIR are fringe counting devices. This makes the constructed wavemeter very compact with high speed.

SPECIFICATIONS

Parameters	Specifications
Dimensions	100.5(l)x35(w)x9.5(h) mm
Operation Range	1520 – 1620nm
Center Wavelength	± 0.1nm
Bandwidth	≤ 0.2nm
Thermal Stability	< 125 pm
Contrast	> 25 dB
PDL	≤ 0.2dB
Reflectivity	> 85%
Fiber Type	SMF – 28
Package	Cable with options
Storage Temperature	-40°C to 85°C
Operating Temperature	-5°C to 70°C
Fiber Cable Length	1.5m
Fiber Cable Bending Radius	>25 mm

