



ASE THERMO FBG is a high-accurate active wavelength reference based on temperature-controlled Fiber Bragg Grating (FBG) and ASE light source. Thanks to precise electronic control the absolute wavelength accuracy is ± 1 pm.

Device could be complemented by second temperature-controlled FBG for calibration of FBG interrogators. Central wavelength and other optical parameters are specified by used FBG. For more info, please visit <http://sfo.nwg.cz>

OPTICAL PROPERTIES	
Central wavelength (CWL)	~ 1550 nm
CWL tunable range	± 200 pm
Tuning resolution	0.1 pm
Wavelength band	C
Absolute wavelength accuracy	± 1 pm
Max. optical output power	< 1 mW (0 dBm)
OSNR	> 40 dB
FWHM	50 – 100 pm
Optical connector	LC/APC

ELECTRICAL PROPERTIES	
Power supply	5 V = (230 V ~ adapter included)
Power consumption	Max. 15 W
Interface	Micro USB
Software	Included on flash-disk (for wavelength tuning)

PHYSICAL PROPERTIES	
Dimensions	120x105x60 mm
Weight	0.6 kg
Operating temperature	0 °C up to 40 °C

Key features:

- High-accurate active and passive optical wavelength reference
- OSA (Optica Spectral Analyzer) calibration and referencing
- FBG interrogators calibration and referencing
- High accuracy, stability and reliability
- Wide operating temperature range.