

# BAST INTERROGATOR



OPTICAL PROPERTIES		
Number of Optical Channels	1,2 or 4	Customized
Scan Frequency	1000 Hz 1 Hz <small>*Each pack of 12 additional sensors halves the scan frequency: 12 sensor - 1 kHz. 24 sensor - 500 Hz. Adding other 12 sensor (36) - 250 Hz ...*</small>	12 Sensor 120 Sensor
Wavelength Range	From 1530nm to 1570nm $\pm 4\text{nm}$ <small>*2 Light Source option with customized wavelengths*</small>	Customized
Wavelength Repeatability	$\pm 8\text{ pm}$	
Wavelength Resolution	1 pm	
Standard number of FBG Per Channel	Up to a total of 120 sensor	
Connector	FC/APC	
DATA PROCESSING		
Interface	Ethernet	
Software Features	Spectral analysis, data logger, user can read out installed sensors data	
MECHANICAL, ELECTRICAL PROPERTIES		
Dimension	250x200x100 mm (optional Rack 19" 3U)	
Weight	Aprox. 3 Kg	
Operation Humidity	Up to 95% without condensation	
Operation Temperature	0°C +50°C	
Storage Temperature	-20°C +70°C	
Input Voltage	DC 24V	
Maximum Power	16 W	