

Specifications for FBG Interrogator (Quantity-01)

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1	Sampling Rate	1000 samples (all channels simultaneously) or better
2	Wavelength Range	Min. 100 nm (1500 to 1600 nm)
3	Measurement Type	Static and Dynamic
4	Measurement resolution	5 pm or better
5	Source	Light source should be integrated
6	Available channels	8 (Min.)
7	Optical Connectors:	Suitable to Sensors
8	External connections:	Ethernet connection/ USB port
9	Operating temperature	0°C to + 40°C or better
10	Supporting Sensors type	Should support FBG Strain (Short and Long Gauge) Temp, Accelerometers, tilt meter
11	PC type	<p>Interrogator (preferably with inbuilt PC and display).</p> <ul style="list-style-type: none"> • If quoted for inbuilt PC, it should also be capable to bypass the inbuilt PC and can work on laptop/PC with necessary compatible software • Without inbuilt PC, a compatible laptop for running Integrator and related software smoothly to be provided
12	Software	Capable of Data management, visualization and processing
13	Input voltage	230 V, 50 Hz
14	Manufactures Support	Installation and Training at the site (CBRI Roorkee, India)
15	Warranty	Min. Two Years Warranty
Optional	Enclosure	A compact housing IP65 or better for the reading unit