

Specifications for Long Gauge FBG Deformation Sensor (12 Nos)

(Six no. FBG deformation sensors in one array)- 2 Nos.

Long Gauge FBG Deformation Sensor (12 Nos) (Two sets, each set consists of 6 Nos. of sensors connected with passive cable)		
S. No.	Specifications	
1	Active Gauge Length	1 meter
2	Measurement range	$\pm 2,000 \mu\epsilon$ (Min.)
3	Measurement resolution/ sensitivity	1.2 pm/ $\mu\epsilon$ or better
4	Accuracy	2 $\mu\epsilon$ (Min.)
5	Measurement Type	Static and Dynamic
6	Wavelength	Unique in between 1500nm to 1600nm (in one array)
7	Set of sensor series including passive cable and connectors	Total two sets, each set consists of 6 Nos. of sensors connected in series with passive cables, passive cable length between two sensors is 4m and additional 20m passive cable for connecting the integrator with sensor series.
8	Temperature compensated	Integrated/ Extrinsic Temperature Compensated in the same conduit
9	Connectors	Compatible to Integrator (APC Type)
10	Mounting	Complete Surface Mounting by fasteners (clamps/ bolts)
11	Operating temperature	Min. (0 to 60 °C)
12	Corrosion and Vibration	Insensitive to corrosion and vibrations
13	Installation	Using clamp and bolt on the removable basis
14	Mounting Accessories	Fasteners, bolts, screws, clamps, brackets etc. and all other sensor specific accessories for surface preparation and installation
15	Support from distributor	Installation and Training at the site
16	Warranty	Min. One Year Warranty

