

Tender Specifications for Laser LVDT (Laser Displacement Sensor)

Quantity Required – 07 No.s

S No.	Specifications	Requirement
1.	Measurement Range	200 mm or more
2.	Mid-range (i.e. Standoff or Reference distance)	150 mm or more
3.	Resolution/Repeatability	8µm or less
4.	Linearity	+/- 0.08% of FSO or less
5.	Measuring rate	0.5 - 4 kHz or more
6.	Light Source	Laser Diode
7.	Safety	Laser protection class 2 or 3R safe according to DIN EN 60825-1 2008-05 International Standards
8.	Output signals	Both Analog & Digital
9.	Signal Quality	Stable output for both static and dynamic measurements
10.	Design	Compact design with integrated controller
11.	Operating temperature	0 - 40°C or better
12.	Environmental Protection	IP 65 or better
<u>Accessories:</u>		
13.	Power cable	6m or more (Ready to use with 0-5 V voltage module of Data Acquisition System)
14.	USB Cable	3m or more to directly plug with PC
15.	Software, Manual & Drivers	Customized plug & play software for direct PC connection. Configuring channel wise input signals. Filtering, scaling, output functions in flexible user defined manner. Export to other formats like excel etc.
16.	Standard Warranty	Minimum 1 year