

6-AXIS FORCE TORQUE SENSOR

TECHNICAL SPECIFICATION

S.No.	Specification	Value
1	Sensor diameter	<45 mm
2	Sensor height	< 15mm
3	Weight	<=60 grams
4	Sensing Force range (Fx,Fy,Fz)	40N (minimum)
5	Sensing Torque range (Tx,Ty,Tz)	1Nm (minimum)
6	Sensing Force resolution (Fx,Fy,Fz)	Less than 0.05N
7	Sensing Torque resolution (Tx,Ty,Tz)	Less than 0.0005Nm
8	Overload factor for force and torque	5 (minimum)

System Requirements

1. Sensor to be supplied with signal conditioning and amplification
2. Communication through USB preferred
3. Capability to interface with Lab View software preferable
4. Software support for windows 10 and data acquisition
5. Preferably with lab curriculum
6. Calibration certificate
7. Sensor to be supplied with necessary mounting accessories
8. Warranty – 3 Years