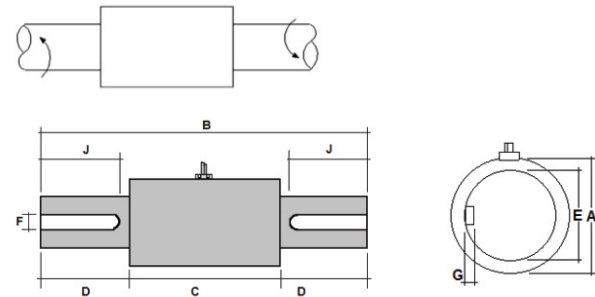
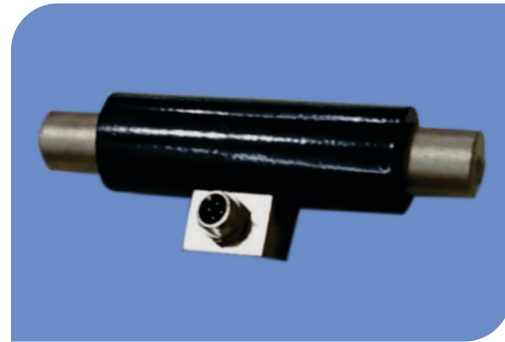
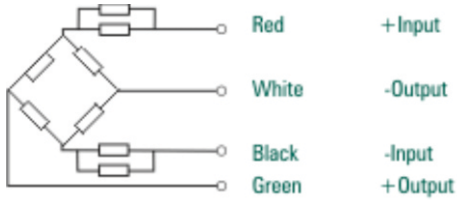


## Static Torque Sensor

**STS** is precision type torque transducer useful in bottle cap sealing & opening, valve, fasteners It is constructed from Aluminum Alloy 2024-T4 or Stainless steel 17-4 ph material for ruggedness and harsh industrial applications. Its design is strain guage based with full temperature compensation over 10 to 50°C range

### Wiring Schematic Diagram



### Dimensions:

Capacity NM	A—appx.	B	Cappx.	D—appx.	E - ø	F	G	J
50	50	150	80	5	20	6	3	20
100 , 200	50	150	80	5	22	8	3.5	20
300,500,1K	70	150	80	35	40	12	4	30
2K,3K,5K	90	200	80	60	60	18	5.5	55
10K	100	250	100	75	75	20	6	70
15K	120	300	120	90	90	28	8	85
20K,30K,40K	150	400	140	130	120	32	11*	120
50K	160	400	140	130	140	32	11*	120

### Specifications :

Standard Capacities : 50,100,200,300,500,1K,2K,3K,5K,10K,15K,20K,30K,40K,50K	
Excitation Voltage	10 VDC- Maximum 15 VDC
Nominal Output	1.0 m V/ V
Non - Linearity	< ±0.1% Full Scale Output(FSO)
Hysteresis	< ±0.1% FSO
Non-Repeatability	< ±0.1% FSO
Creep (30 minutes)	< ±0.3% FSO
Zero Balance	±1.0% FSO
Input Resistance	392 ± 15 Ohms
Output Resistance	350 ± 3 Ohms
Insulation Resistance	(50 VDC) > 1000 Mega Ohms
Cable Length	(4 Core Screened) 1 mtr
Safe Overload of Rated Capacity	120%
Ultimate Overload of Rated Capacity	150%
Allowable Side Load	50%
Temp. Compensated Range	0-50 0C
Temperature Effect on Output	< 0.015% FSO/ 0C
Temperature Effect on Zero	< 0.020% FSO/ 0C
Rotational Angular Deflection	< 0.2 at FSO
Finish & Construction	Tool steel
Environmental Protection	Class IP 65

Specifications are subject to change for improvements without prior notice.

### Features:

- 50,100,200,300,500,1K,2K,3K,5K,10K,15K,20K,30K,40K,50K Capacities available.
- Aluminum Alloy or Stainless Steel 17-4 ph construction for resistance against shock and overload.
- Complete Environmental Protection -IP65 class.
- Customized to customer's requirements.
- High Temperature version as per requirements

### Applications:

- Bottle cap sealing & removal
- Valve Testing
- Fastener Testing
- Gear Box Testing
- Engine performance Testing

