

MLC511 Mech. Torque Single-Flange Static Torque Sensor

Model: MLC511

Category: Torque Sensor

Range: 0.5,1,2,,5,10,20,30,50,100Nm

Size: D49.5*85mm

Material: Alloy Steel

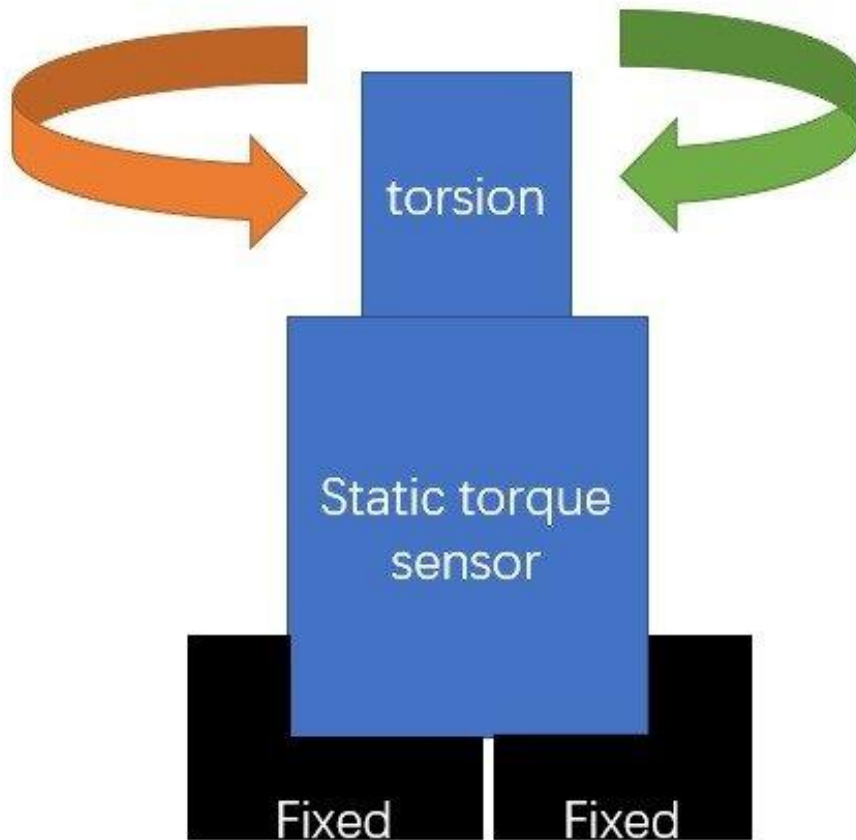
Application: Static Torque Sensor for lab, test dept., production monitoring & QC in process industries

Keywords: Mech Torque Single-Flange Static Torque Sensor

Product Image



Force Structure



Specifications

Range	0.5,1,2,,5,10,20,30,50,100Nm	Response Frequency	100 μ S
Sensitivity	$1.5 \pm 10\%$ mV / V	Insulation Resistance	$\geq 5000M \Omega$ / 100VDC
Zero Output	$\pm 1\%$ F.S.	Excitation Voltage	10VDC(9-15VDC)
Nonlinearity	$\pm 0.1, 0.3\%$ F.S.	Temp. Compensation Range	-10 ~ 60 $^{\circ}$ C
Hysteresis	$\leq \pm 0.05\%$ F.S.	Operating Temp. Range	-20 ~ 65 $^{\circ}$ C
Repeatability	$\leq \pm 0.05\%$ F.S	Safe Overload	150% F.S.
Creep	$\leq \pm 0.03\%$ F.S/30min	Ultimate Overload	200% F.S.
Temp. Sensitivity Drift	0.03% F.S. / 10 $^{\circ}$ C	Cable Size	$\varnothing 5.2 \times 3m$
Zero Temp. Drift	0.03% F.S. / 10 $^{\circ}$ C	Electrical Connection	Red/E+, Black/E-, Green/S+, White/S-
Input Resistance	$350,750 \pm 10 \Omega$	Material	Aluminum, Stainless Steel or Alloy Steel
Input Resistance	$350,700 \pm 5 \Omega$	Other Requirements	Customizable

Product Dimensions

