

MLC517 Gear Shaft-Type Static Torque Sensor

Model: MLC517

Category: Torque Sensor

Range: 0-100,1000,5000Nm

Material: Alloy Steel

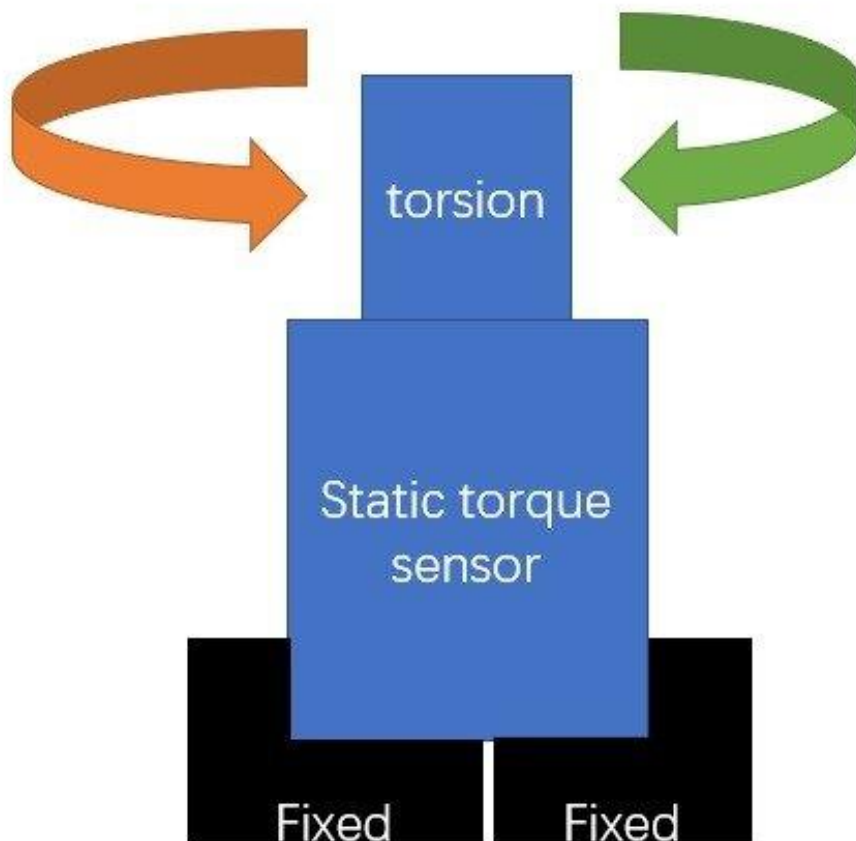
Application: Gear Torque Sensor for torque & power of motors, engines & rotating equipment

Keywords: Shaft-Type Static Torque Sensor

Product Image



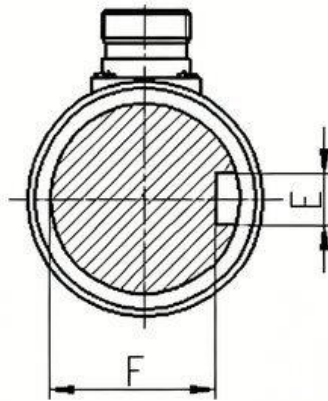
Force Structure



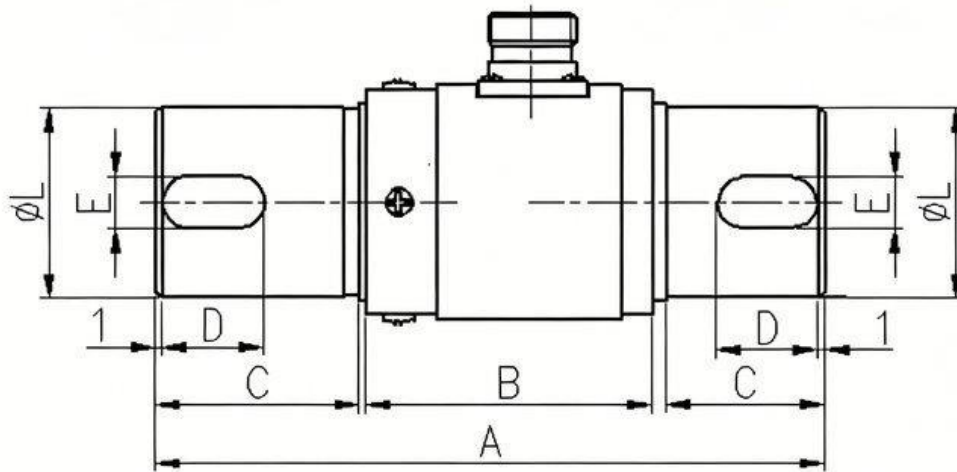
Specifications

Range	0-100,1000,5000Nm	Response Frequency	100 μ S
Sensitivity	1.5 $\pm$ 10% mV / V	Insulation Resistance	$\geq$ 5000M Ω / 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 Ω	Material	Aluminum, Stainless Steel or Alloy Steel
Output Resistance	350,700 $\pm$ 5 Ω	Other Requirements	Customizable

Product Dimensions



MLC517



MODEL	RANGE (Nm)	A	B	C	D	E	F	ΦL
MLC517A	0-100N	105	45	25	16	8	26	30
MLC517B	0-1000N	210	60	73.5	60	16	44	50
MLC517C	0-5000N	238	84	75.6	20	19	62.6	70