

MLC5155 Micro Low-Speed Dynamic Torque Sensor

Model: MLC5155

Category: Torque Sensor

Range: 0~3,5,10,20,30,50,100 Nm

Material: Alloy Steel

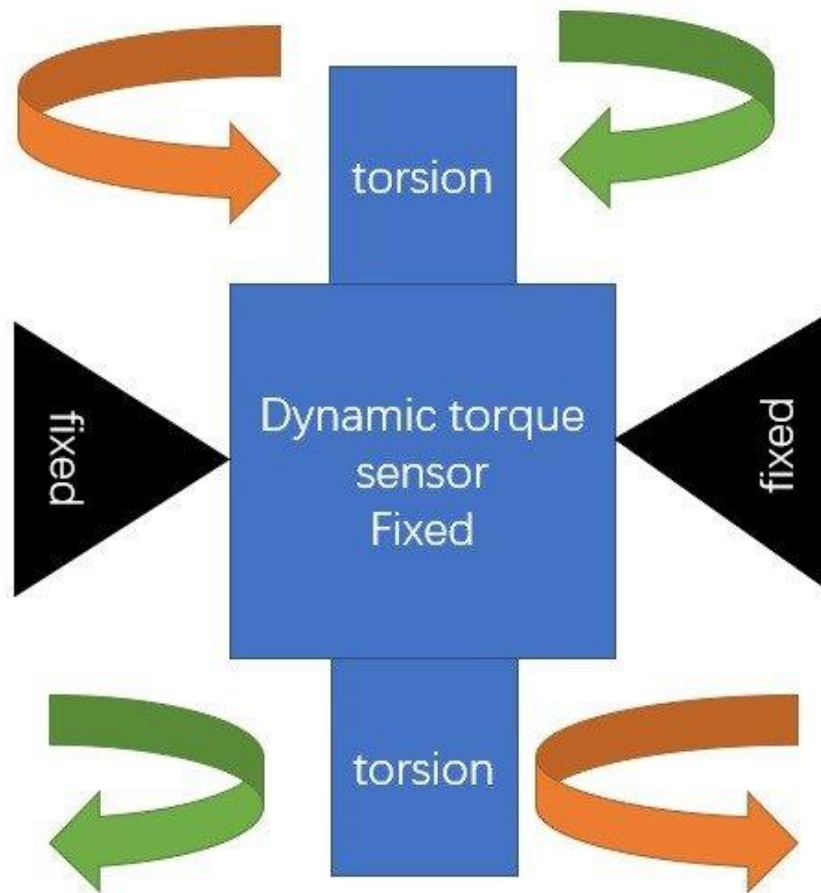
Application: Micro Dynamic Torque Measurement

Feature: Micro Dynamic Torque Sensor

Product Image



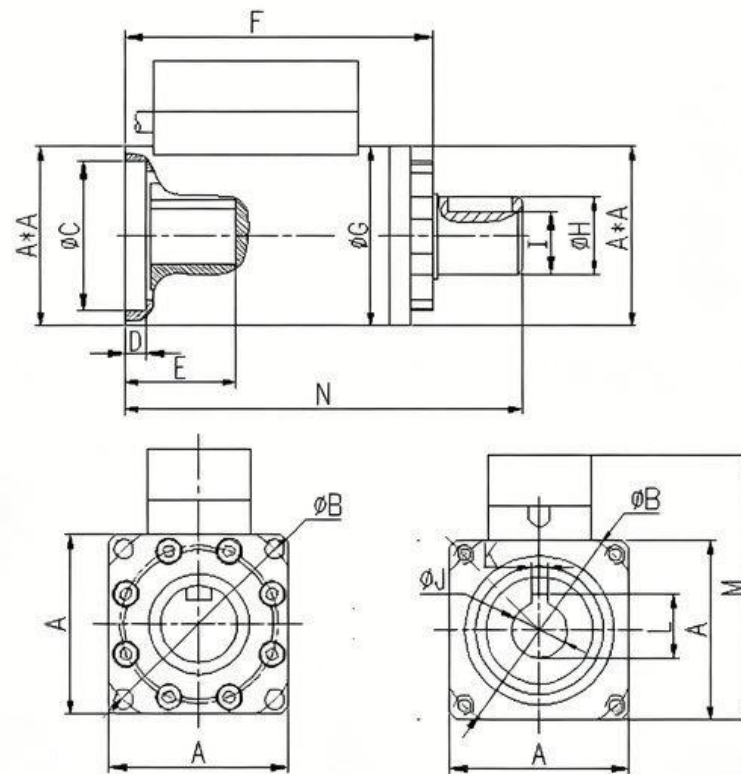
Force Structure



Specifications

Range	0~3,5,10,20,30,50,100 Nm	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
Input Resistance	350,700 $\pm$ 5 Ω	Other Requirements	Customizable

Product Dimensions



MLC5155

Nm	A	B	C	D	E	F	G	H	I	J	K	L	M	N
0-50	42	50	35	5	26	73	42	18	14.5	13	4	14.8	63	93
100	62	70	50	7	39	91	62	18	14.5	16	6	18.3	77	122