

MLC5105A Motor Shaft-Type Dynamic Torque Sensor

Model: MLC5105A

Category: Torque Sensor

Range: 0-10,20,30,50,100,200,500,1000Nm

Size: D58*108mm

Material: Alloy Steel

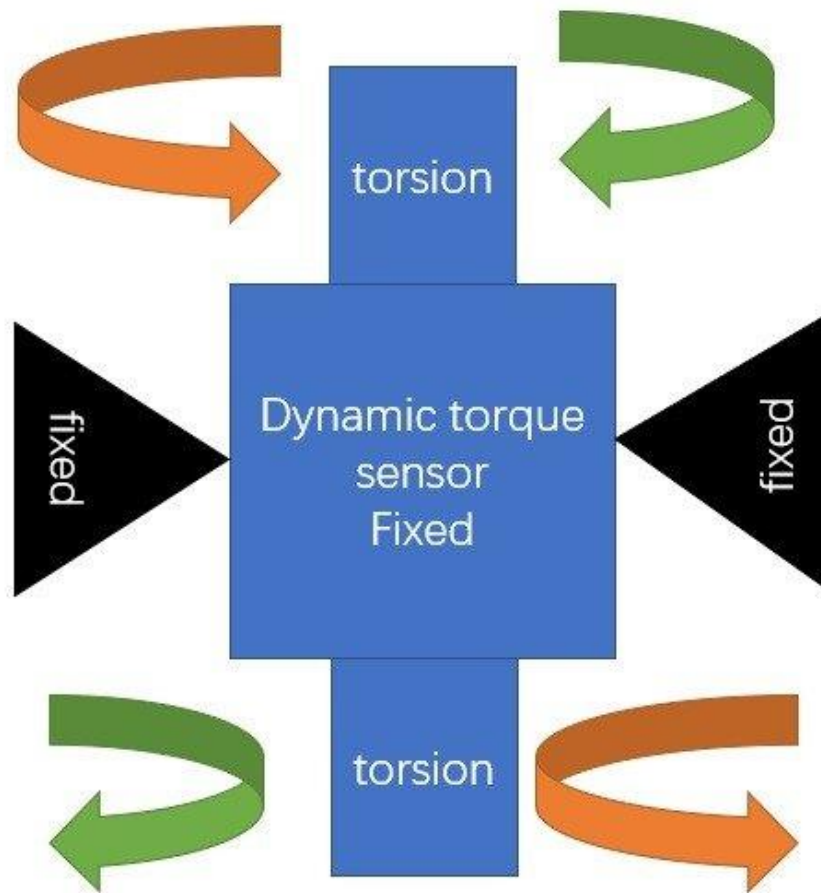
Application: Dynamic Torque Measurement

Keywords: Motor Shaft-Type Dynamic Torque Sensor

Product Image



Force Structure

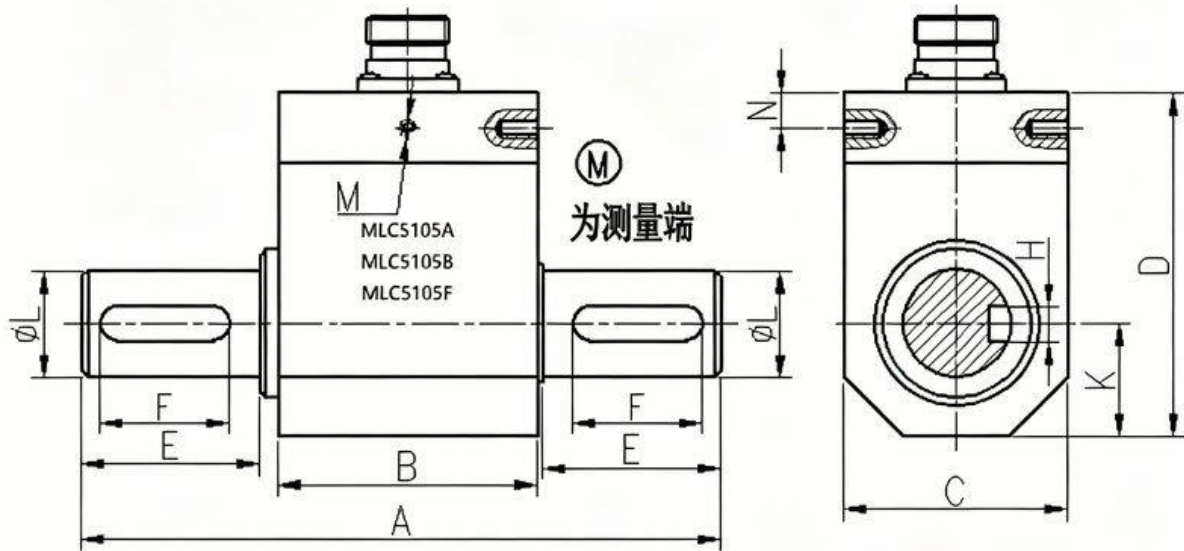


Specifications

Range	0-10,20,30,50,100,200,500,1000Nm	Input Resistance	$700 \pm 5 \Omega$
Sensitivity	$1.5 \pm 10\% \text{ mV} / \text{V}$	Insulation Resistance	$\geq 5000 \text{M} \Omega / 100 \text{VDC}$
Zero Output	$\pm 2\% \text{ F.S.}$	Excitation Voltage	10-15VDC
Nonlinearity	$\pm 0.1, 0.3\% \text{ F.S.}$	Temp. Compensation Range	$-10 \sim 60^\circ \text{C}$
Hysteresis	$\leq \pm 0.05\% \text{ F.S.}$	Operating Temp. Range	$-20 \sim 80^\circ \text{C}$
Repeatability	$\leq \pm 0.05\% \text{ F.S.}$	Safe Overload	150% F.S.
Creep	$\leq \pm 0.03\% \text{ F.S./30min}$	Ultimate Overload	200% F.S.
Temp. Sensitivity Drift	$0.03\% \text{ F.S.} / 10^\circ \text{C}$	Cable Size	$\varnothing 5.2 \times 3 \text{m}$
Zero Temp. Drift	$0.03\% \text{ F.S.} / 10^\circ \text{C}$	Electrical Connection	Red/E+, Black/E-, Green/S+, White/S-
Input Resistance	$750 \pm 10 \Omega$	Material	Stainless Steel or Alloy Steel
Range	0-10,20,30,50,100,200,500,1000Nm	Input Resistance	$700 \pm 5 \Omega$

Product Dimensions

MLC5105A



型号	量程 (Nm)	A	ΦL	B	C	D	E	F	G	H	I	J
MLC5105A	100	108	18	44	38	58	30	22	19	6	3-M3	6
MLC5105B	500	143	28	56	53	73.5	40	30	27	6	2-M3	8
MLC5105F	1000	221	6	97	90	125	60	55	45	33	4-M4	16