

MLC5803 Motor High-Speed Torque Sensor

Model: MLC5803

Category: Torque Sensor

Range: 0-20、 50、 100、 200、 500、 1000、 2000、 5000、 10K、 20K、 50K、 100K、 150K、 200K、 300KN.m

Size: D480*900mm

Material: Alloy Steel

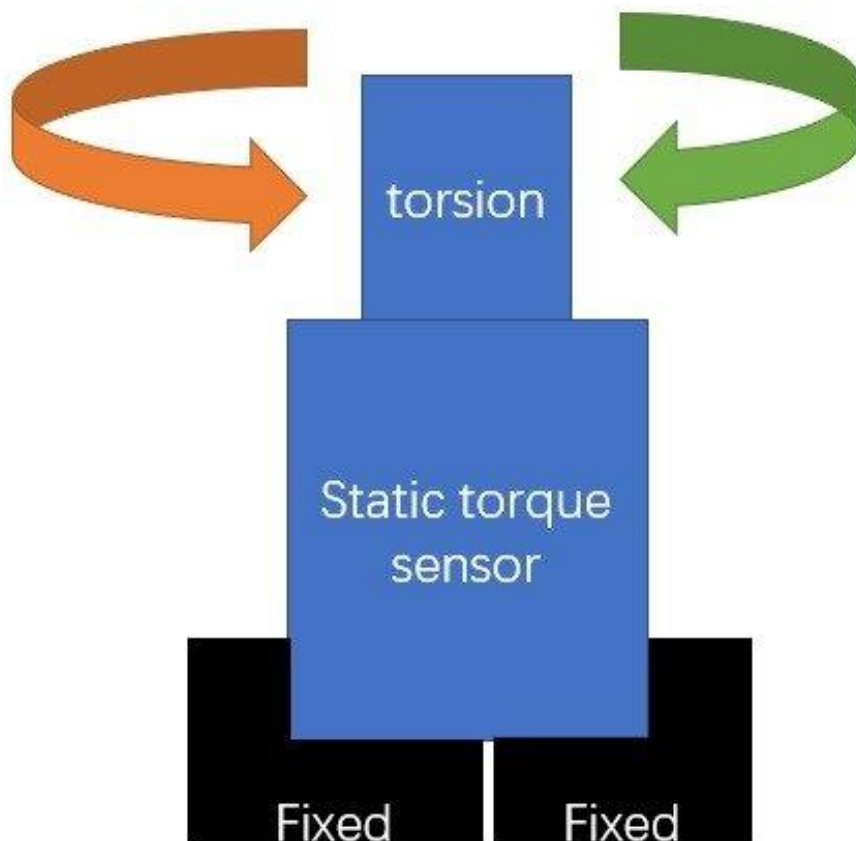
Application: High-Speed Torque & Dynamic Speed Measurement

Feature: High-Speed Dynamic Speed Torque Sensor

Product Image



Force Structure

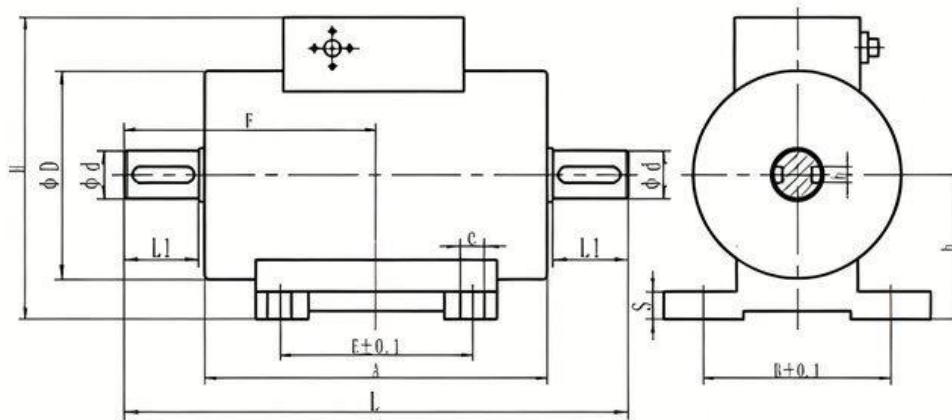


Specifications

Measuring Range:	5, 50, 100-500Nm, 1-50KNm	Response Frequency:	1mS
Output Sensitivity:	0-12vSquare Wave Freq; Load Current $\geq$ 20mA., Input Power: 110—130mA Zero Torque:10 KHZ ; FWD Full Scale:15 KHZ ; REV Full Scale:5 KHZ	Insulation Resistance:	$\geq$ 5000M Ω / 100VDC
Combined Accuracy:	$\pm$ 0.5%F.S	Input Resistance:	350,750 $\pm$ 10 Ω
Operating Temp.:	-20 ~ 65°C	Output Resistance:	350,700 $\pm$ 5 Ω
Temp. Compensation Range:	-10 ~ 60°C	Zero Output:	$\pm$ 1%F.S
Zero Temp. Effect:	0.03% F.S. / 10°C	Safe Overload:	150%F.S
Excitation Voltage:	10VDC(9-15VDC)	Other Requirements:	Customizable

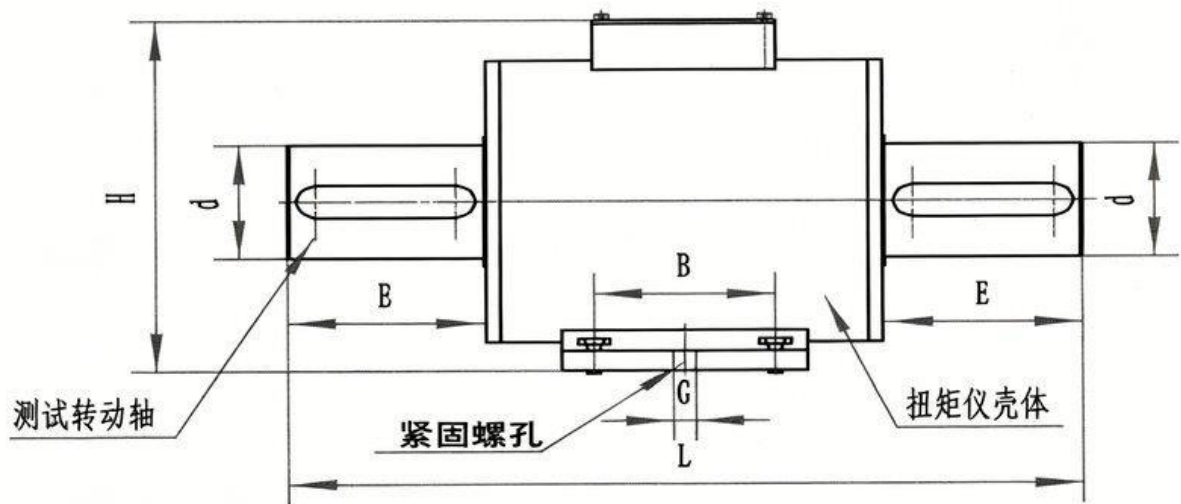
Product Dimensions

MLC5803



N·m	ϕD	ϕd	L	L1	E	A	H	h	B	F	b	s	c	RPM	自重 kg
5-100	78	16	188	23	72	128	115	54	80	94	6	10	11	9000	3.9
200	88	28	207	35	72	133	124	60	80	103.5	8	10	11	8000	5
500	98	38	240	45	72	148	142	65	80	120	10	10	11	7000	6.1
1000	108	48	275	60	69	149	152	70	90	137.5	14	15	11	6300	9.6
2000	118	55	298	70	69	152	164	77	124	149	16	15	11	5600	13.7
5000	143	75	356	100	68	150	188	90	146	178	20	15	13	4500	22
10-20k	158	98	388	118	80	146	215	100	170	194	23	15	13	4000	34
30k	205	125	395	110	79	169	260	140	170	197.5	32	15	17	3000	/
50k	215	140	451	135	79	171	255	133	170	225.5	36	15	17	2000	55
100k	247	180	572	180	90	156	305	162	250	261	45	25	17	2200	85
150k	350	235	900	315	220	250	420	220	250	450	56	25	17	2000	
200k	360	255	900	320	220	210	446	240	250	450	56	25	17	1800	
300k	416	295	900	325	220	224	480	250	268	450	70	25	17	1800	

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