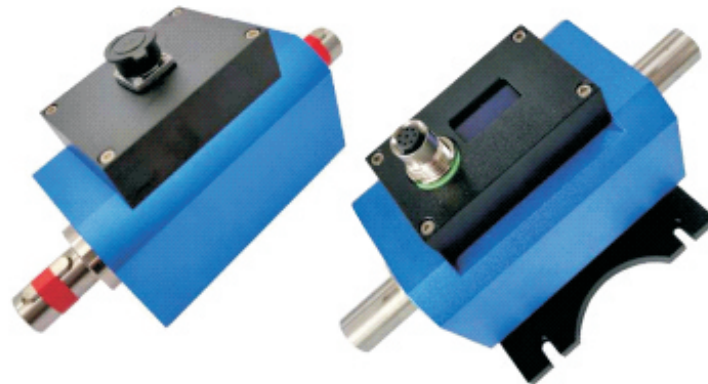


Dynamic Torque Sensor



GTS210



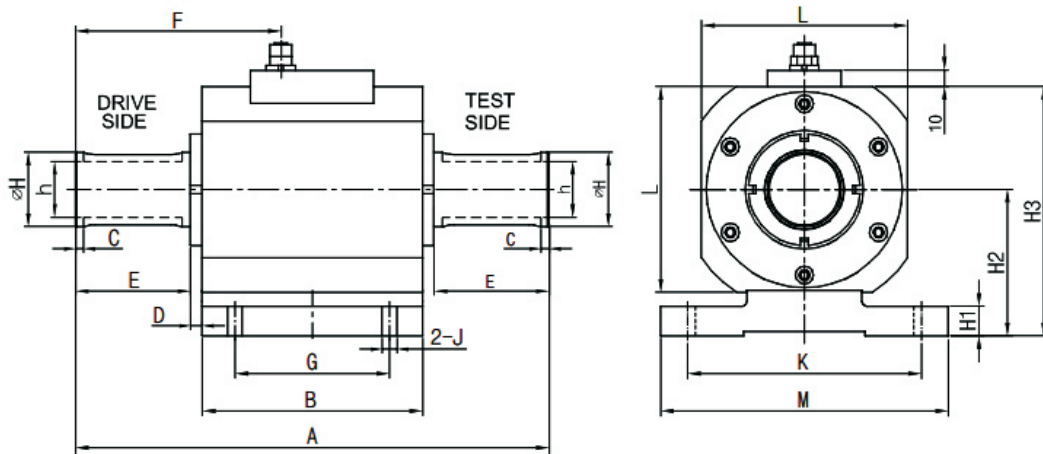
FEATURES

- Non-contact dynamic torque, Torque range 5~5000Nm;
- Can measure torque value and rotational speed in both forward and reverse directions, Max speed \leq 15000RPM;
- Torque sensor optionally available with integrated OLED panel, display torque, speed and power;
- Both ends are optical shafts, the shaft material is 17-4PH stainless steel, and the shell material is aluminum alloy.

SPECIFICATION

Range	5, 10, 20, 30, 50, 100, 200, 300, 500, 1000, 2000, 3000, 5000(Nm)		
Accuracy	$\pm 0.2\%$ F.S(standard), $\pm 0.1\%$ F.S(Optional)	Temp. Effect on Zero	$\pm 0.2\%$ F.S/ 10°C
Supply	12~24VDC	Temp. Effect on Output	$\pm 0.2\%$ F.S/ 10°C
Torque Output	10 \pm 5KHZ(standard)	Compensated Temp.Range	-10~+60 $^{\circ}\text{C}$
	4~20mA, $\pm 5\text{V}$, $\pm 10\text{V}$, RS485, RS232(Optional)	Operating Temp. Range	-20~+75 $^{\circ}\text{C}$
Speed Output	Max speed \leq 15000RPM, 60Pulse(Standard)	Electrical Connection	8pin
	4~20mA, 0~10V, RS485, RS232(Optional)	Safe Overload	200%
Supply current	< 100mA	Cable, Length	5m

SIZE(mm)



Range(N.m)	A	B	C	D	E	F	G	φH	h	J	K	L	M	H1	H2	H3	Key(b*h*l*n)
5~100	175	111	3.5	2	30	68.5	80	18	14.5	6.5	83	70	100	10	53.5	88.5	6*6*22*1
200~500	198	114	3	7	35	80	84	28	24	6.5	97	85	114	10	61	103.5	8*7*30*1
1K~2K	288	134	5	7	70	125	94	45	34	9	142	125	175	18	89	151.5	14*9*60*2
3K~5K	355	141	4	7	100	158.5	100	75	60	11	181	160	220	20	110.5	190.5	20*12*93*2

Remarks : GTS210 if speed is over 10000RPM · no key.

SPECIFICATION

8-Pin electrical connection (The output signal coexist with communication)				
Power plug	Pin5	Red	Power supply: Vin+	
	Pin6	Black	Power supply: Vin-	
Signal			Pluse/Current/Voltage	Pluse differential
	Pin3	Green	Torque	Torque: A+
	Pin4	Yellow	Speed	Speed: B+
	Pin1	White	Signal/(GND)	Torque: A+
	Pin2	Blue	None or null	Speed: B-
Communication			RS485	RS232
	Pin7	Brown	A+	TxD
	Pin8	Gray	B-	RxD

Signal-(Common) must use white GND, can't use power supply-;

Vin- and Gnd and are not equal-level, there is a voltage difference.