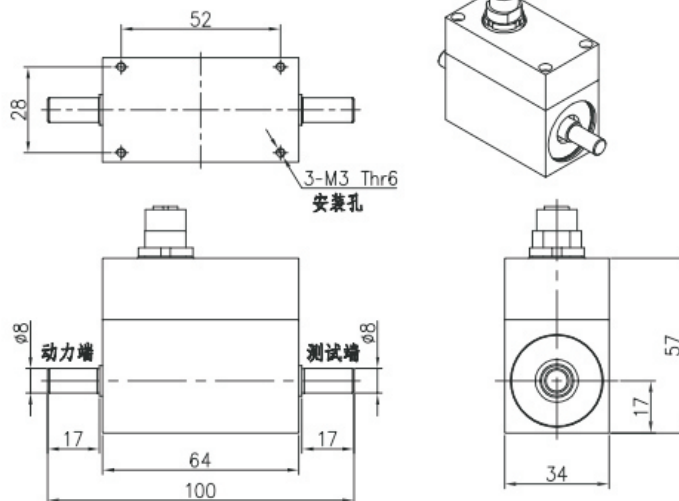
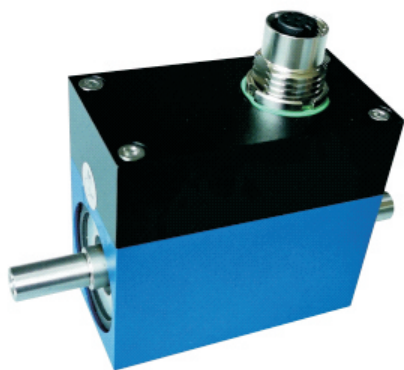


Dynamic Torque Sensor



GTS209



FEATURES

- Non-contact dynamic torque, small size, no wear;
- Can measure torque value and rotational speed in both forward and reverse directions, Max speed ≤ 16000 RPM;
- 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	0.1,0.2,0.3,0.5,1,2,3,5(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, ± 5 V, ± 10 V,RS485,RS232(Optional)	Operating Temp. Range	-20~+75 $^{\circ}\text{C}$
Speed Output	Max speed ≤ 16000 RPM,30 pulse(standard)	Electrical Connection	8pin aviation plug
	4~20mA,0~10V,RS485,RS232(Optional)	Safe Overload	200%
Supply current	<100mA	Cable,Length	5m

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.				