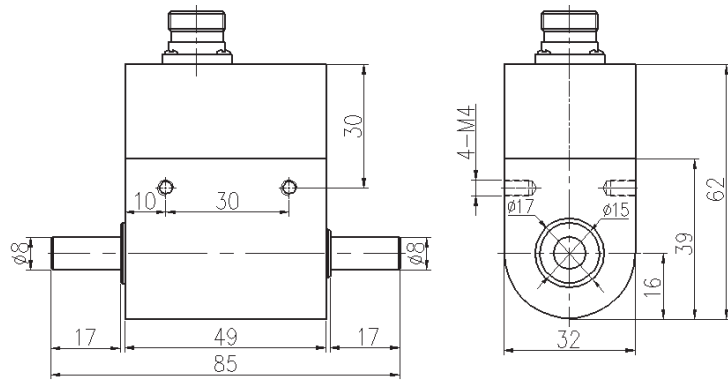


Dynamic Torque Sensor



GTS203



FEATURES

- Contact dynamic torque, small range, small size, mV signal output;
- Can measure torque values in both forward and reverse directions, but cannot measure rotational speed values.;
- Both ends are keyed, special shaft lengths can be customized;
- Max speed $\leq 1800\text{r/min}$, Reach quickly 3000r/min .

SPECIFICATION

Range	0.1, 0.2, 0.3, 0.5, 1, 2, 3, 5(Nm)		
Accuracy	$\pm 0.2\% \text{F.S (Standard)}$, $\pm 0.1\% \text{F.S (Optional)}$	Input Resistance	$350 \pm 10 \Omega$ · $700 \pm 10 \Omega$
Supply Voltage	5~10VDC	Output Resistance	$350 \pm 10 \Omega$ · $700 \pm 10 \Omega$
Rated Output	0.1~0.2Nm, $0.6 \pm 0.1 \text{mV/V}$	Response Frequency	100us
	0.3~0.8Nm, $0.8 \pm 0.1 \text{mV/V}$	Insulation Resistance	$\geq 2000 \text{M}\Omega / 100 \text{VDC}$
	1~5Nm, $1.3 \pm 0.1 \text{mV/V}$	Safe Overload	150%F.S
Zero Output	$\pm 2\% \text{F.S}$	Ultimate Overload	200%F.S
Temp.Effect on Span	$\pm 0.03\% \text{F.S} / 10^\circ \text{C}$	Cable Length	$\Phi 5.0 \text{mm} \times 3 \text{m}$
Temp.Effect on Zero	$\pm 0.03\% \text{F.S} / 10^\circ \text{C}$	Material	Shaft: 17-4PH · Housing: Aluminum
Compensated Temp.Range	-10~+60℃	Wiring Code	E+: Red E-: Black
Operating Temp.Range	-20~+75℃		S+: Green S-: White