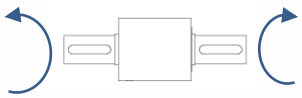
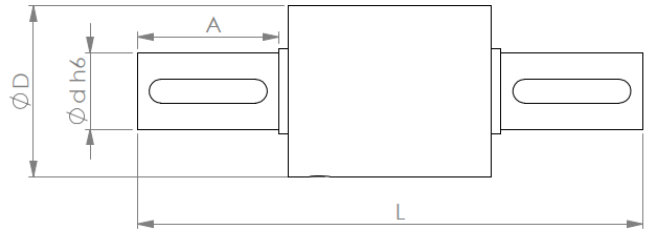
NON-ROTARY TORQUE SENSOR

- ✓ **Model TR-(0.1~10KNm)**

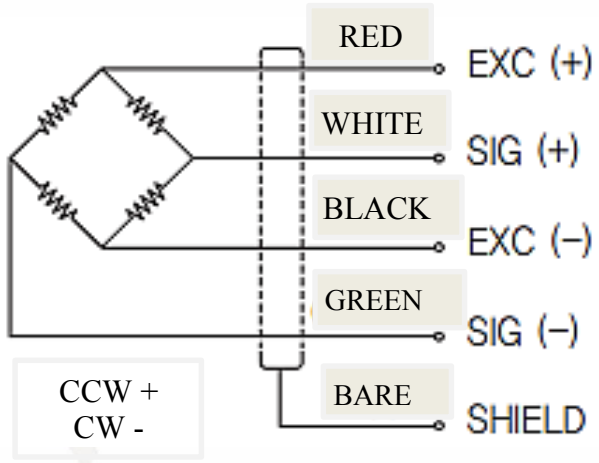


Static torque sensor for measurement of stationary torque object or within a certain angle rotation. Suitable for torque measurement of various automobile parts such as pneumatic and electric screwdriver etc. display and logger section is considered as an optional.

Design Information



Wiring information



Capacity (Nm)	D (mm)	d (mm)	L (mm)	A (mm)	Key dimension
10/20	36	16	81	17	-
50/100	36	16	107	30	2-5*5*25
Up to 100NM	custom design				

Specification	Value
Rated capacity	Up to 10KNm
Rated output	2 mV/V
Excitation recommended	5 V
Operational Temperature	-10 ~ 60°C
Safe overload	150 % Full scale
Nonlinearity	0.1% Full scale
Hysteresis	0.1%

Ordering Code: TRI-20-A-A

Torque max (NM)

Power A: 24 V

Output

A: Torque: 0-5-10 V

B: Torque: 4-12-20 mA

C: Torque in PC interface (USB)/ Modbus (485)

Wiring

Configuration A, B

Configuration C

Modbus RS485 Address

Torque Modbus address:
SlaveID = 1, Baudrate = 115200, DataBits = 8, Parity = 0 (No parity), StopBits = 1

Title	Variable type	Length	R/W	Address	Description
Torque (Non dimensional)	Float	2	R	40028 27 decimal 1B Hex	Pure data logger output
Sample frequency (Hz)	Unsigned Int	1	RW	40045 44 decimal 2C Hex	0=4.7 1=10 2=20 3=30 4=40 5=50 6=60 7=96 8=120 9=150 10=200 11=240 12=300 13=400 14=600 15=800 16=960 17=1200 18=1600 19=2400 20=4800