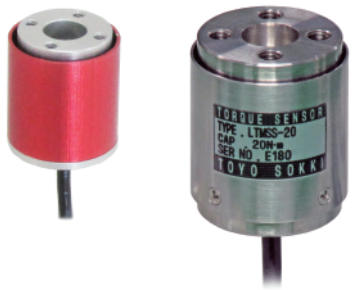
Minute Non-rotating Torque Sensor

LTMSS

- Capacities : 0.5N·m...20N·m
- Small size
- Wide range capacities



Model

Rated Capacity

LTMSS- □

0.5	0.5N·m (0.05kgf·m)
1	1N·m (0.1kgf·m)
5	5N·m (0.51kgf·m)
10	10N·m (1.02kgf·m)
20	20N·m (2.04kgf·m)

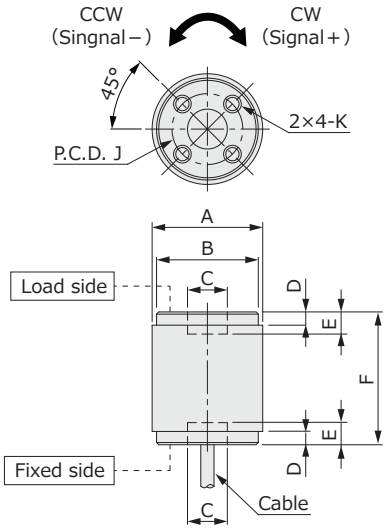
Specifications

Rated output (R.O.)	>1.2mV/V
Zero balance	±10%R.O.
Nonlinearity	±0.5%R.O. : [0.5N·m, 1N·m] ±0.2%R.O. : [5N·m...20N·m]
Hysteresis	±0.5%R.O. : [0.5N·m, 1N·m] ±0.2%R.O. : [5N·m...20N·m]
Repeatability	±0.5%R.O. : [0.5N·m, 1N·m] ±0.2%R.O. : [5N·m...20N·m]
Temperature effect on zero	±0.05%R.O./℃
Temperature effect on output	±0.05%LOAD/℃
Temperature range, compensated	0℃～+60℃
Temperature range, safe	−10℃～+70℃
Maximum safe overload	120%R.C.
Excitation, recommended	2.5V
Excitation, maximum	3V
Input impedance (approx.)	200Ω～500Ω
Output impedance (approx.)	200Ω～500Ω
Insulation resistance	>1000MΩ (B/E DC50V)
Cable type	φ1.6 (φ3 : 5N·m...20N·m) 4-wire, PVC, braid shield
Cable length	1m
Construction	Aluminum : [0.5N·m, 1N·m] Stainless steel : [5N·m...20N·m]
Weight (approx.)	5g : [0.5N·m, 1N·m] 75g : [5N·m...20N·m]

Cable color code

Item	φ1.6 Cable	φ3 Cable
Excitation+	Red	Red
Excitation−	White	White
Signal output+	Green	Green
Signal output−	Blue	Black
Shield	Yellow	Yellow

Outline dimensions (mm)



Dimensions

Rated capacity	0.5N·m,1N·m	5N·m...20N·m
A	φ13	φ25
B	φ11	φ23
C	$\varphi 5^{+0.05}_{0}$	$\varphi 9^{+0.05}_{0}$
D	(1)	(3)
E	(2)	(5)
F	15	30
J	8.5	16
K	M1.6 Depth4	M4 Depth6

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