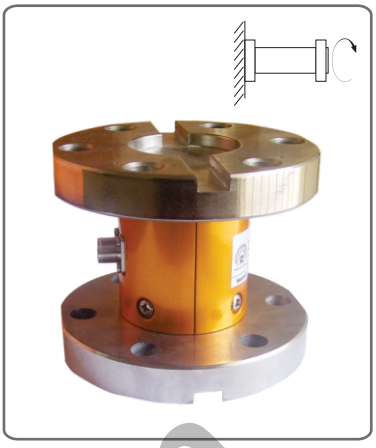
Static Torque Dual Flange - STDF

(10Nm ~ 1000Nm)

FLANGED TYPE REACTION TORQUE TRANSDUCER



STDF reaction torque transducer is flange mount type designed for industrial and research applications. Both end flanges makes it very compact and easy to install into the applications. It is suitable for clock wise and anti clock wise directions

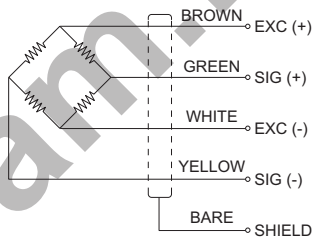
FEATURES

- Very compact and rugged for heavy duty applications.
- Compensated for axial and bending moments for good accuracy.
- Can be supplied as per customers required size and capacity.
- Both end shaft or one end shaft and other end flange type also can be supplied

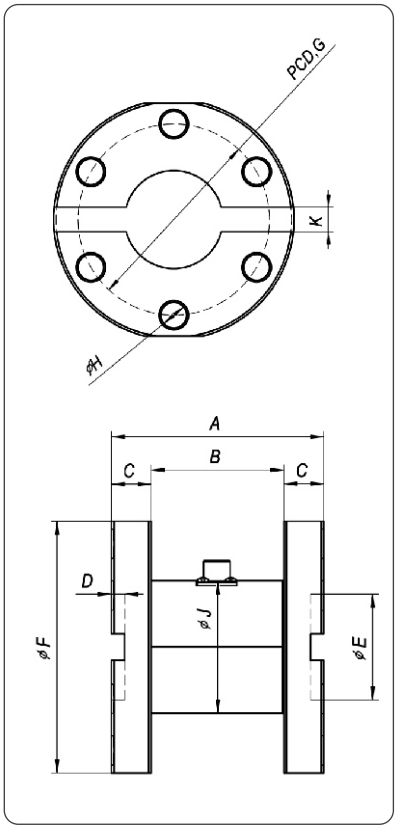
APPLICATION

- Actuator/valve/electrical tool testing
- Axle/shaft torsion test
- Bearing friction measuring
- Testing of starters/slip rings/brushes/clutches/brakes
- Electric/hydraulic/pneumatic motors testing
- Alternators/pumps/gas, diesel, turbine engines testing
- Automobile testing of drive shaft and crank shaft torque
- Defence, Aerospace, R&D Establishments, Offshore test rigs, Automotive, machine tools, electrical and engineering industries.

WIRING INFORMATION



DIMENSION DETAILS



TECHNICAL SPECIFICATION

Model	STDF
Rated capacity (R.C.)	10Nm ~ 1000Nm
Rated output (R.O.)	1mV/V ±1%
Non-linearity	0.3% (0.1kgf-m under 0.5% R.O.)
Hysteresis	0.3% (0.1kgf-m under 0.5% R.O.)
Repeatability	0.02% of R.O.
Terminal resistance, input	350Ω±1%
Terminal resistance, output	350Ω±1%
Insulation resistance	2000MΩ
Temp. effect on zero balance	±0.1%R.O./10°C
Temp. effect on rated output	±0.1%Load/10°C
Excitation recommended	10V DC
Safe overload	120% R.C.
Cable length	Ø5.5 4core cable, 3m

DIMENSION TABLE

Unit : mm

Capacity	A	B	C	D	ØE	ØF	G	ØH	ØJ	K
10, 20 Nm	55	35	10	3	40	80	66	6.5	36	10
100, 200 Nm	80	50	15	5	40	95	78	10.5	50	10

Specifications are subject to change without Prior notice