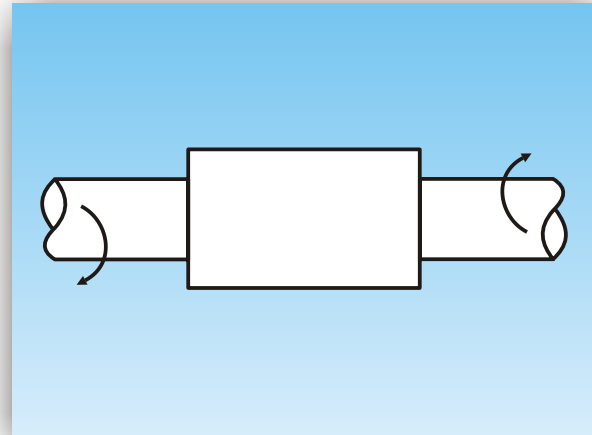


model

TTS

## REACTION SHAFT TORQUE TRANSDUCER



### FEATURES :

- ❖ Excellent selection of range from 10 to 20,000 NM.
- ❖ Complete environmental protection IP-65 class.
- ❖ Standard output 2.0m V/V.
- ❖ High accuracy.
- ❖ Axial and bending forces are compensated.

### APPLICATIONS :

- ❖ Motors, switches, shaft and axles torque measurement.
- ❖ To measure operating torque for industrial valves and actuators.
- ❖ Automotive, aerospace, offshore valves test rigs.
- ❖ Torque measurement of industrial fasteners.

### DESCRIPTION :

- ❖ This is used in industrial and research applications where torque is to be measured accurately.
- ❖ It is easily fitted to the test batch with the help of suitable A-key way.
- ❖ Flange mounted version available.
- ❖ Dimensional variations can be designed on request to suit customer's specific requirement and application.
- ❖ Suitable for clock wise and anti-clock wise directions.

### PERFORMANCE SPECIFICATION :

<b>Standard Capacities (NM)</b>	: 10,20,50,100,200,500,1000 2000,5000,10000,20000
<b>Excitation Voltage</b>	: 10 VDC (Max. 15 VDC)
<b>Nominal Output</b>	: 2 mV/V
<b>Non - Linearity</b>	: < ± 0.1 % FSO (Full Scale Output)
<b>Hysteresis</b>	: < ± 0.1 % FSO
<b>Non-Repeatability</b>	: < ± 0.1 % FSO
<b>Creep (30 minutes)</b>	: < ± 0.3 % FSO
<b>Cable Length</b>	: 5 mtr.
<b>Input Resistance</b>	: 390 Ohms
<b>Output Resistance</b>	: 350 Ohms
<b>Insulation Resistance (50V)</b>	: > 1000 Mega Ohms
<b>Safe overload</b>	: 150% of RC
<b>Ultimate Overload</b>	: 300 % of RC
<b>Temp. Compensated Range</b>	: 0-60 °C
<b>Temp. Effect on Output</b>	: < 0.05 % FSO/ °C
<b>Temp. Effect on Zero</b>	: < 0.05 % FSO/ °C
<b>Material of Construction</b>	: Stainless Steel-17-4 PH
<b>Environmental Protection Class</b>	: IP-65

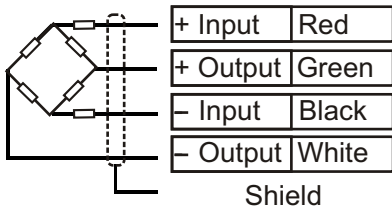


**ADI ARTECH**  
TRANSDUCERS PVT. LTD.

A Joint venture with  
ARTECH INDUSTRIES INC., U.S.A.



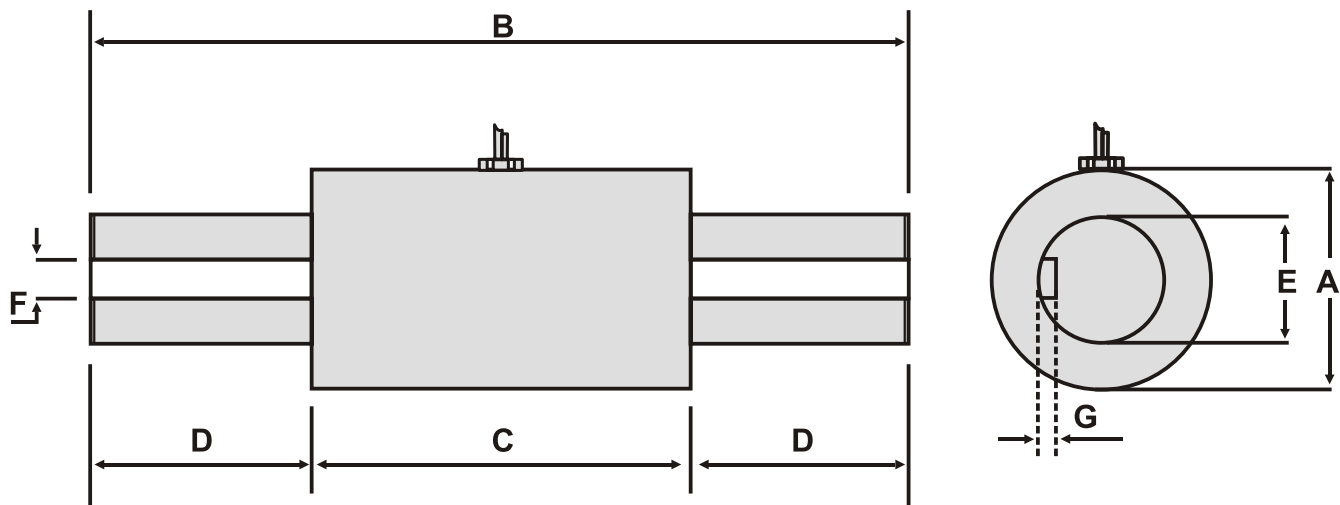
**ELECTRICAL TERMINATION**



4 CORE SCREENED CABLE

Capacity NM	A dia.	B	C	D	E dia.	F	G
10,20,50	50	150	100	25	20	6	3
100,200	50	150	100	25	25	8	3.5
500,1000	70	260	120	70	40	12	4
2000,5000	90	380	180	100	60	18	5.5
10000	100	480	190	145	75	20	6
20000	140	530	210	160	110	28	8

All dimensions are in mm.



**SEEGATE CORPORATION**

Swastik House , Building No.382 , 3rd Floor,  
Room No.7 , Near Lamington Road Police  
Station , Grant Road (E) . Mumbai -400007.

Tel - 022-40044443 Mobile - 7021525891 , 797338650

Email - [sales@seegatecorp.com](mailto:sales@seegatecorp.com). Website - [www.seegateloadcell.com](http://www.seegateloadcell.com)