



DESCRIPTION

ADI TTD-432 is dynamic rotary type torque sensor used for measuring torque in rotating shaft or equipment.



APPLICATIONS

- Electrical tool testing
- Axle/shaft testing
- Bearing Friction measuring
- Testing of starter/slip/ring/brushes
- Engine Dynamometer/Automobile

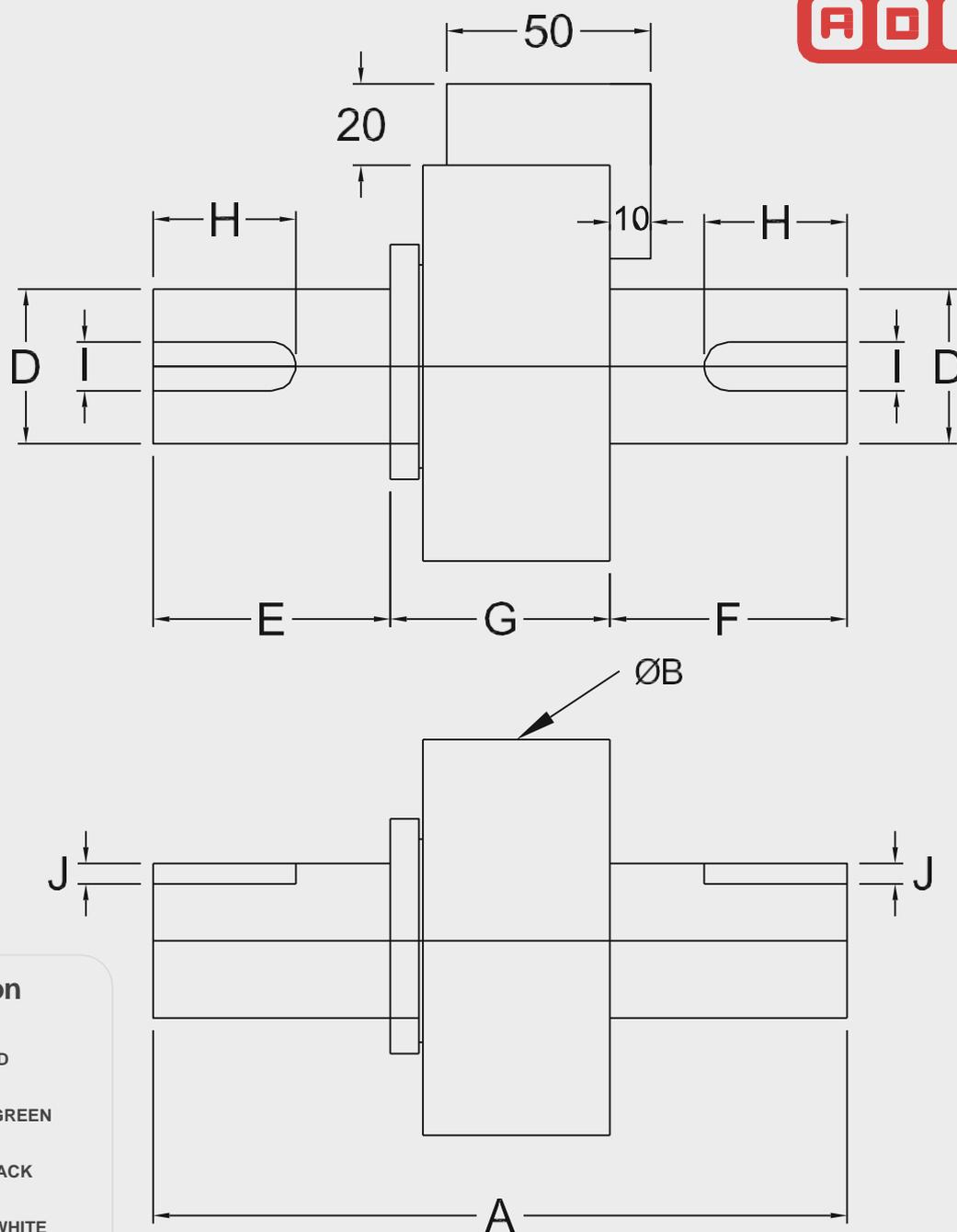


KEY FEATURES

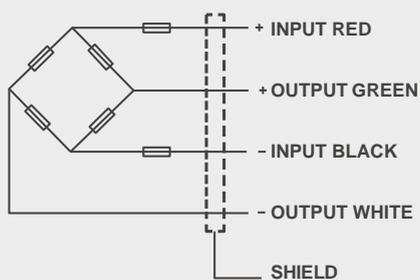
- 0-1000 NM capacity
- SS 17-4PH material of construction
- Customized as per requirement

SPECIFICATIONS

Rated capacity (NM)	:	20, 50, 100, 200, 300, 500, 1000
Excitation Voltage	:	3 VDC - 15 VDC
Rated Output	:	2.0 mV/V
Non – Linearity	:	< ± 0.2 % FSO (Full scale Output)
Hysteresis	:	< ± 0.1 % FSO
Non-Repeatability	:	< ± 0.1 % FSO
Creep error (30 minutes)	:	< ± 0.3 % FSO
Zero Load Output	:	± 1.0 % FSO
Input Resistance	:	390 ± 15 Ohms
Output Resistance	:	350 ± 5 Ohms
Insulation Resistance	:	> 1000 Mega Ohms
Safe Overload	:	150 % of Rated Capacity
Ultimate Overload	:	200 % of Rated Capacity
Temperature Compensated Range	:	0 to 60° C
Temperature Effect on Output	:	< 0.04 % FSO/° C
Temperature Effect on Zero	:	< 0.05 % FSO/° C
Deflection	:	< 0.5 mm at FSO
Finish & Construction	:	Stainless Steel SS 17-4PH
Max RPM	:	1000 RPM
Cable Length	:	5 meters



Electrical Termination



Capacity (NM)	A	B	D	E	F	G	H	I	J
20, 50	140	69	20	43	43	54	20	6	3
100, 200	140	86	25	43	43	54	20	8	4
300, 500, 1000	170	99	38	58	58	54	35	12	5

Note : All Dimensions are in mm