MODEL TTD-SS DYNAMIC TORQUE TRANSDUCER WITH RPM-ANGLE SENSING							
Description ADI ARTECH'S Torque transducer TTD is CE Certified general purpose dynamic rotary type torque sensor for accurate measurement of Torque and RPM OR Angle of rotation in rotating equipment. It is constructed from SS 17-4 PH material. This is strain gage based sensor with full temperature compensation over 10~50°C. It is very accurate, reliable and sturdy for industrial applications. It is compensated for axial and bending forces for accurate torque measurements. It is available from 0 to 20NM to 0 to 10KNM ranges. Torque sensing shaft is installed in ball journals and electrical signals are transferred through high quality, low noise slip ring and brush mechanism. This can be used at max. 2500RPM only. This is provided with male shaft with key slot for locking at both ends. Digital instrument with Torque, RPM and Power OR Angle of Rotation display can be offered. TTD is available in wide variety of options: both ends shaft, both ends flange and combination of shaft & flange versions for dynamic torque							
measurements. Customized versi Features CE Rated <0-20NM to 0-10K Stainless Steel 17-4 PH const Can be designed to fit your di Instrument with Torque, offered for motor efficiency t Applications Electrical tool testing Axle/shaft torsion test Testing of starters/slip rings/brushes/clutches/brakes Alternators/pumps/gas & turbine engines testing Performance Specification Standard Capacities in NM Excitation Voltage Nominal Output Non – Linearity Hysteresis Non-Repeatability Creep (30 minutes) Zero Balance Input Resistance	on can be p NM Capaciti ruction for r mensional r RPM and cest and ot G B C B C C C C C C C C	 provided as per user's dimensions and capacit cities available. r resistance against shock and overload. a) needs and capacity. and Power OR Angle of Rotation can be other research applications. Gear Box Testing Bearing friction measuring Electric/hydraulic/pneumatic motors testing ble below V + / - 0.5 % FSO % FSO % FSO % FSO 					
Output Resistance Output Resistance Insulation Resistance (50 VDC) Cable Length (4 Core Screened) Safe Overload Ultimate Overload Temp. Compensated Range Temperature Effect on Output Temperature Effect on Zero Rotational Angular Deflection Finish & Construction Environmental Protection Class	390 Ohms 350 Ohms > 1000 Mega Ohms 5 Meters 150% OF RC 200% OF RC 10-50 °C < 0.005% FSO/ °C						Anti Rotational stud cum Connector Holder
OptionsCompatible Instrument with 4-20 mA / 0-2 Volt• Input - Red • Output - Green • Input -Black • Output - White Shield - Floated RPM-Yellow - +Ve BlueVeOutput Digital Version with RS-485 interface / USB output Blue Tooth Or Wireless Telemetry Software for Graphic, Tabulation, Reporting And AnalysisCap. NMABCDdEFGMax. RPM & Rotational life20, 50,100, 20086180110352525842000RPM, 2000IIII00S						F = D + C +	
300,500, 1000 100 220 2K,3K,5K 130 280 10K 160 320	110 55 140 70 150 85	40 60 75	40 60 75	12 18 20	5 7 7.5	2000RPM, 15Millions 1500RPM, 10Millions 1000RPM, 5Millions	

Specification are subject to change.

All dimensions are in mm.



Made in INDIA by: **ADI ARTECH** TRANSDUCERS PVT. LTD. (An ISO 9001:2015 Certified Company)

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