

Description

TTS – mini is **CE Certified** precision type Static Reaction Torque Transducer useful in bottle cap sealing & opening, valves and fasteners testing. Its small size makes it easy to install in small space available in applications. Available range is from 1NM to 30NM. This can be fitted to the system easily through key ways provided at both cylindrical shaft ends. It is constructed from Aluminum Alloy 2024-T4 or Stainless steel 17-4 ph. material for ruggedness and harsh industrial applications. Its design is strain gage based with full temperature compensation over 10 to 50°C range.

Features

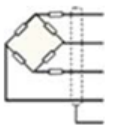
- ❖ **CE Rated** ❖ 1, 2, 5, 10, 20, 30NM. Capacities available.
- ❖ Aluminum Alloy or Stainless Steel 17-4 ph construction for resistance against shock and overload.
- ❖ Complete Environmental Protection -IP65 class.
- ❖ Can be customized to suit customer's requirements.
- ❖ High Temperature version can be provided on request.

Applications

- ❖ Bottle cap sealing & removal
- ❖ Valve Testing
- ❖ Fastener Testing

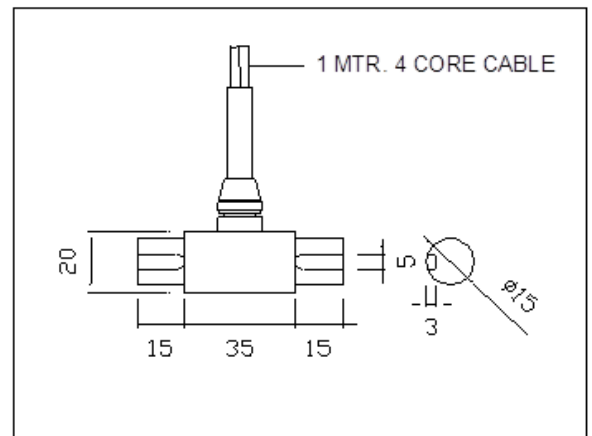
Performance Specification

Standard Capacities	1, 2, 3, 5, 10, 20, 30NM
Excitation Voltage	10 VDC- Maximum 15 VDC
Nominal Output	2.0 m V/ V
Non - Linearity	< ±0.1% Full Scale Output(FSO)
Hysteresis	< ±0.1% FSO
Non-Repeatability	< ±0.1% FSO
Creep (30 minutes)	< ±0.3% FSO
Zero Balance	±1.0% FSO
Input Resistance	392 ± 15 Ohms
Output Resistance	350 ± 3 Ohms
Insulation Resistance (50 VDC)	> 1000 Mega Ohms
Cable Length (4 Core Screened)	1 meter
Safe Overload of Rated Capacity	150%
Ultimate Overload of Rated Capacity	250%
Allowable Side Load	50%
Temp. Compensated Range	10-50 °C
Temperature Effect on Output	< 0.015% FSO/ °C
Temperature Effect on Zero	< 0.020% FSO/ °C
Rotational Angular Deflection	< 0.2 at FSO
Finish & Construction	Aluminum Alloy 2024 - 1 to10NM Stainless Steel 17-4PH - 20, 30NM
Environmental Protection Class	Meets to IP 65 requirements.

Electrical Termination**Options**

- + Input - Red
- + Output - Green
- Input - Black
- Output - White
- Shield - Floated

- * Compatible Instruments with Relay output, 4-20 mA or 0-2 Volt Output
- * Digital Version with RS-485 interface / USB output / Blue Tooth Telemetry / Wireless Telemetry
- * Software for Graphic, Tabulation, Reporting and Analysis
- * Customization with customers dimensions



Specifications are subject to change.

All dimensions are in mm.



Manufactured by:

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