

Description

TTS – mini is precision type torque transducer useful in bottle cap sealing & opening, valve, fasteners. It is constructed from Aluminum material for ruggedness and harsh industrial applications. Its design is strain gage based with full temperature compensation over 0 to 60°C range.

Features

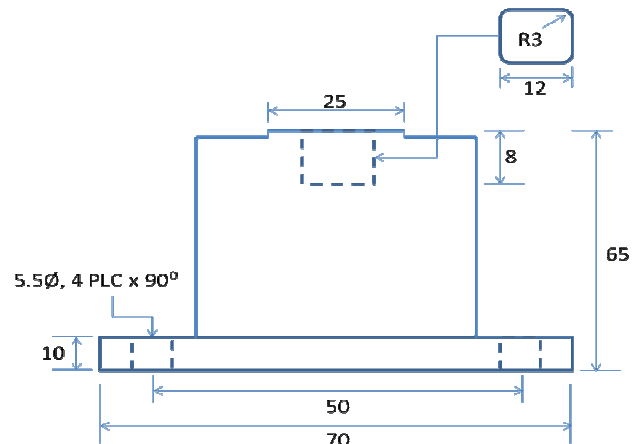
- ❖ 2, 5, 10, 20, 30, 50 NM. Capacities available.
- ❖ Aluminum construction for resistance against shock and overload.
- ❖ Complete Environmental Protection – Meets IP65 class.
- ❖ Can be customized to suit customer’s requirements.
- ❖ High Temperature version can be provided on request.

Applications

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

Performance Specification

Standard Capacities	2, 5, 10, 20, 30, 50 NM
Excitation Voltage	10 VDC- Maximum 15 VDC
Nominal Output	2.0 m V/ V
Non - Linearity	< ±0.25% 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 mtr
Safe Overload of Rated Capacity	150%
Ultimate Overload of Rated Capacity	200%
Temp. Compensated Range	0-60 °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
Environmental Protection Class	Meets IP 65



All Dimensions are in mm

Electrical Termination

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

Specifications are subject to change without prior intimation

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