

TSS - Static Torque Reaction Transducer

Product Overview

The TSS range of Torque Reaction Cells provides a cost-effective solution to static or semi-rotary Torque measuring problems. Typically, these units are used with Torque Wrenches and other square drive tools. A range of digital readouts/ amplifiers, with different features, is available for these Transducers.

Intermediate ratings are available at no extra cost. Parallel shaft and flanged units are also available; see our TLSP, TLSF and TSF data sheets. The Transducer is also available with gauge coatings suitable for subsea installations.

System Specifications:

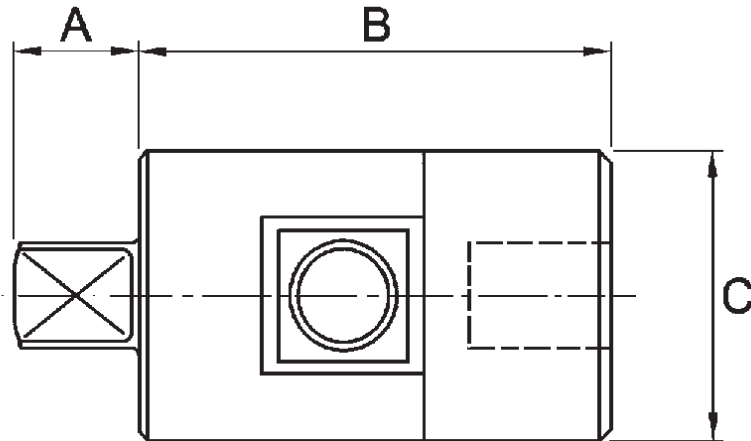
Nominal Sensitivity:	1.5mV/V (1Nm unit is 1.0 mV/V)	Repeatability:	±0.05% fs
Accuracy:	±1.0% (10%-100% FS)	Operating Temp:	0 to +80°C
Overload Capacity:	150% fs	Compensated Range:	20 to +60°C
Bridge Supply:	10V	Storage Temp:	-30 to +90°C
Bridge Resistance:	700 ohms	Zero Shift:	< ±0.01%/C°
Non-linearity:	±0.1% fs	Span Shift:	< ±0.02%/C°
Hysteresis:	±0.1% fs		

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Dimensions

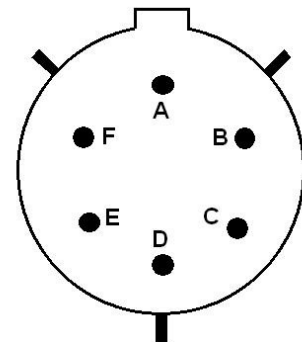


Model No.	Size	Square Size	A	B	C
TSS-5	5Nm	1/4"	7.5	41	32
TSS-10	10Nm	1/4"	7.5	41	32
TSS-50	50Nm	3/8"	11.5	58	35
TSS-100	100Nm	1/2"	15.5	58.5	35
TSS-500	500Nm	3/4"	23	79	54
TSS-1K	1KNm	1"	28	79	54
TSS-5K	5KNm	1 1/2"	39	123	85
TSS-10K	10KNm	2 1/2"	55	158	120
TSS-75K	75KNm	3 1/2"	79	185	180

Wiring Details

The TSS5 to TSS100 have a 3 metre flying lead, not a connector. Where connectors are fitted the mating plug is also supplied.

PIN	Designation	Flying Lead Colours
A	Excitation (+)	Red
C	Excitation (-)	Blue
F	Signal (+)	Yellow
E	Signal (-)	Green
B	N/C	
D	N/C	



For more information about the TSS range or for a quote, call +44 (0) 1332 810 240 or email sales@indmeas.co.uk.

IML, providing custom torque solutions

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