

## TLT - In-line Rotary Torque Transducer

### Product Overview

The TLT Torque Transducer provides 'budget' Torque measurement for many applications at speeds up to 10,000 rpm.

It has a non-contact data transmission system and integral signal conditioning providing a  $\pm 5V$  analogue output with a  $\pm 10V$  option. Shaft keys to BS4235/ DIN6885 are also optional.

#### System Specifications:

Full scale output:	$\pm 5V$	Operating Temp:	0 to $+60^{\circ}C$
Accuracy:	$\pm 0.25\% FS$	Zero Shift:	$\pm 0.04\%/C^{\circ}$
Repeatability:	0.05% FS	Span Shift:	$\pm 0.02\%/C^{\circ}$
Supply Voltage:	12 to 28VDC	Protection:	IP50
Supply Current:	$<90mA$	Overload Capacity:	150% FS

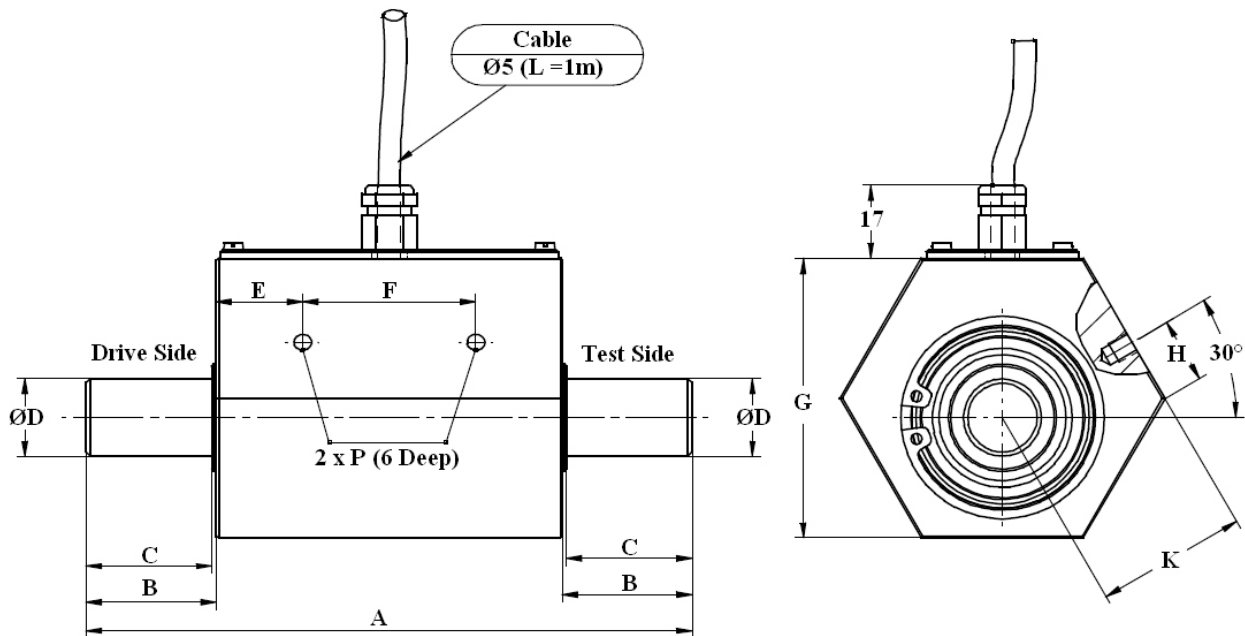
#### Industrial Measurements

Watling Drive  
Sketchley Meadows  
Hinckley LE10 3EY  
Tel: +44(0) 1332 810 240  
sales@indmeas.co.uk  
www.indmeas.co.uk



Model TLT	Rated Torque (Nm)	Max. Speed (rpm)	Torsional Stiffness (Nm/rad)	Max. Axial Load (N)	Model TLT	Rated Torque (Nm)	Max. Speed (rpm)	Torsional Stiffness (Nm/rad)	Max. Axial Load (N)
0.2	0.2	10000	$1.8 \times 10^1$	39	15	15	10000	$8.9 \times 10^2$	520
0.5	0.5	10000	$1.1 \times 10^2$	140	20	20	8000	$8.4 \times 10^3$	1200
1	1.0	10000	$2.2 \times 10^2$	170	50	50	8000	$8.4 \times 10^3$	1200
2	2.0	10000	$2.1 \times 10^2$	170	100	100	8000	$2.0 \times 10^4$	3100
5	5.0	10000	$8.9 \times 10^2$	520	200	200	8000	$2.0 \times 10^4$	3100
10	10	10000	$8.9 \times 10^2$	520					

## Dimensions



Measuring Range (Nm)	A	B	C	D	E	F	G	H	K	P
0.2 / 0.5 / 1 / 2	100	18	17	8 g6	14.5	35	46	8	26	M4
5 / 10 / 15	100	18	17	10 g6	14.5	35	46	8	26	M4
20 / 50	140	30	29	18 g6	20	40	65	15	34.8	M5
100 / 200	160	40	39	22 g6	20	40	65	15	34.8	M5

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

# Providing custom torque solutions

## Industrial Measurements

Watling Drive  
Sketchley Meadows  
Hinckley LE10 3EY  
Tel: +44(0) 1332 810 240  
[sales@indmeas.co.uk](mailto:sales@indmeas.co.uk)  
[www.indmeas.co.uk](http://www.indmeas.co.uk)

