



## TRP Rotary Torque Transducers

Series of slip-ring rotary torque transducers.

The TRP series of versatile in-line rotary torque transducers provide accurate and cost-effective 'in-line' torque measurement.

The units incorporate silver slip rings and silver-graphite brush-gear for strain gauge bridge power and signal transmission.

Options include speed measurement, torsionally stiff flexible couplings and a range of digital readouts and amplifiers. Intermediate ratings are also available at no extra cost.

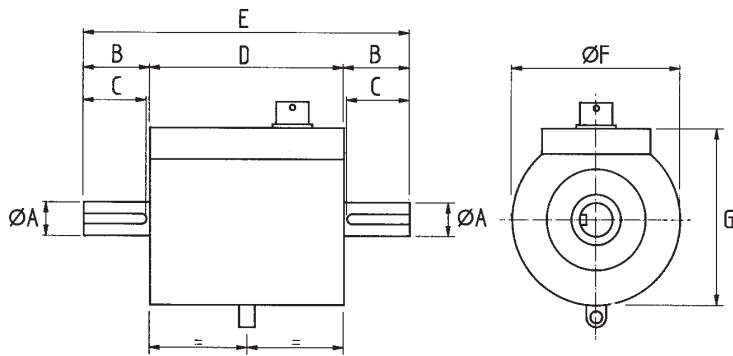
The TRP series is available in ranges from 5Nm up to 5000Nm.

For pricing, availability or further technical information about the TRP torque transducer series, please contact us online at [www.crane-electronics.com](http://www.crane-electronics.com) or alternatively, email us at [sales@crane-electronics.com](mailto:sales@crane-electronics.com).

### Technical Specification

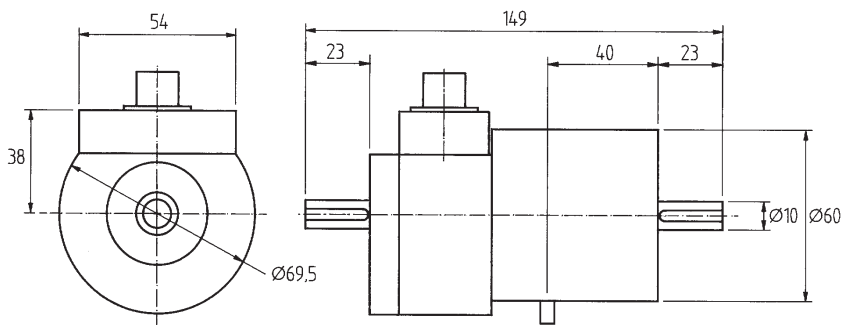
<b>Nominal Sensitivity:</b>	1.5mV/V (1Nm unit is 1.0 mV/V)
<b>Hysteresis:</b>	±0.1% fs
<b>Accuracy:</b>	±0.25% FS (10%-100% FS)
<b>Operating Temp:</b>	0 to +80°C
<b>Overload Capacity:</b>	150% fs
<b>Compensated Range:</b>	20 to +60°C
<b>Bridge Supply:</b>	10V
<b>Storage Temp:</b>	-30 to +90°C
<b>Bridge Resistance:</b>	350 ohms
<b>Zero Shift:</b>	<±0.01%/°C
<b>Non-linearity:</b>	±0.1% fs
<b>Span Shift:</b>	<±0.02%/°C
<b>Repeatability:</b>	±0.05% fs

## Dimensions



Model No.	Stock Range	Max Speed	A	B	C	D	E	F	G
TRP-5	5Nm	8000	12	26,5	23	65	118	60	65
TRP-10	10Nm	8000	12	26,5	23	65	118	60	65
TRP-50	50Nm	8000	12	26,5	23	65	118	60	65
TRP-100	100Nm	6000	20	53	45	108	215	102	95
TRP-250	250Nm	6000	25	53	45	108	215	102	95
TRP-500	500Nm	6000	30	53	45	108	215	102	95
TRP-1K	1KNm	6000	35	53	45	108	215	102	95
TRP-2K	2KNm	3000	50	71	66	170	312	177	174
TRP-5K	5KNm	3000	60	100	95	170	370	190	188

## TRP-CLT Series



Model No.	Range	Max Speed
TRP-CLT-1	2Nm	8000
TRP-CLT-5	5Nm	8000
TRP-CLT-10	10Nm	8000



### Locations

UK - Watling Drive, Hinckley, Leicestershire LE10 3EY, UK  
 USA - 1260 11th Street West, Milan, Illinois 61264, USA  
 Germany - Im Rank 5, 73655 Plüderhausen, Germany

