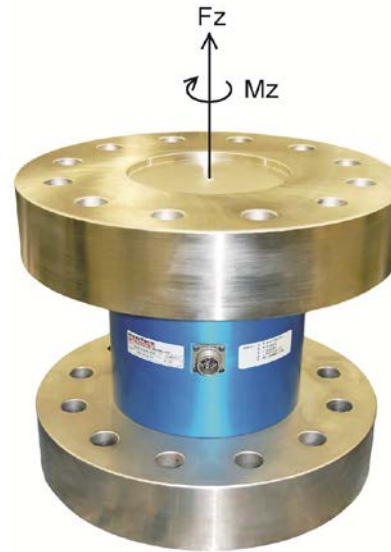


# Model 5600 Axial Torsion Force Transducer

- Capacities from 6K lbf / 5K lb-in to 180K lbf / 300K lb-in
- Measures Compressive force and torque
- Low cross talk
- High stiffness
- Extraneous load resistance



## SPECIFICATIONS

PARAMETERS	MODEL									
	5610 - 5K		5611 - 20K		5612 - 100K		5613 - 200K		5614 - 300K	
	Fz	Mz	Fz	Mz	Fz	Mz	Fz	Mz	Fz	Mz
CAPACITY	6K (lbf)	5K (lb-in)	30K (lbf)	20K (lb-in)	100K (lbf)	100K (lb-in)	150K (lbf)	200K (lb-in)	180K (lbf)	300K (lb-in)
	27 (kN)	560 (Nm)	130 (kN)	2200 (Nm)	450 (kN)	11000 (Nm)	670 (kN)	22000 (Nm)	800 (kN)	33000 (Nm)
ACCURACY - (MAX ERROR)										
Nonlinearity-% FS	±0.1		±0.1		±0.1		±0.1		±0.1	
Hysteresis-% FS	±0.1		±0.1		±0.1		±0.1		±0.1	
Nonrepeatability-% RO	±0.02		±0.02		±0.02		±0.02		±0.02	
TEMPERATURE										
Compensated Range-°F	+70 to +170		+70 to +170		+70 to +170		+70 to +170		+70 to +170	
Compensated Range-°C	+21 to +77		+21 to +77		+21 to +77		+21 to +77		+21 to +77	
Operating Range-°F	-65 to +200		-65 to +200		-65 to +200		-65 to +200		-65 to +200	
Operating Range-°C	-54 to +93		-54 to +93		-54 to +93		-54 to +93		-54 to +93	
Effect on Zero-%RO/°F-MAX	±0.004	±0.002	±0.004	±0.002	±0.004	±0.002	±0.004	±0.002	±0.004	±0.002
Effect on Zero-%RO/°C-MAX	±0.007	±0.004	±0.007	±0.004	±0.007	±0.004	±0.007	±0.004	±0.007	±0.004
Effect on Output-%/°F-MAX	±0.002		±0.002		±0.002		±0.002		±0.002	
Effect on Output-%/°C-MAX	±0.004		±0.004		±0.004		±0.004		±0.004	
ELECTRICAL										
Rated Output-mV/V (Nominal)	.25	2.0	.50	2.0	.50	2.0	.50	2.0	.50	2.0
Excitation Voltage-VDC MAX	20		20		20		20		20	
Bridge Resistance-Ohm (Nominal)	350		350		350		350		350	
Electrical Connection	MS3102E-14S-5P		MS3102E-14S-5P		MS3102E-14S-5P		MS3102E-14S-5P		MS3102E-14S-5P	
MECHANICAL										
Safe Overload-% CAP	±150		±150		±150		±150		±150	
Deflection at Capacity-(inch/rad)	0.001	0.005	0.001	0.004	0.002	0.005	0.002	0.006	0.002	0.005
Overhung Moment-lb-in MAX	2		10		50		90		200	
Side load-lbf MAX	2K		7K		20K		30K		55K	

\*Dimensions same as 5400

5600  
20130621