

SPECIFICATIONS

PARAMETERS	MODEL	
	STANDARD	ENHANCED
ACCURACY – (MAX ERROR)		
Combined Error–%FS	±0.1	±0.07
Nonlinearity–%FS	±0.1	±0.05
Hysteresis–%FS	±0.1	±0.05
Nonrepeatability–%FS	±0.05	±0.02
Stability, 6 Months–%FS	±0.15	±0.10
Rotational Effect on Zero–%FS	±0.05	±0.02
TEMPERATURE		
Effect on Zero–%FS/°F	±0.002	±0.001
Span–%/°F	±0.002	±0.001
Compensated Range–°F	+75 to +175	
Usable Range–°F	-25 to +185	
Storage Range–°F	-65 to +225	
ELECTRICAL		
Fully bi-directional, dual output with common characteristics, as follows		
Clockwise (CW) Torque	+1.5 mV/V	
Counterclockwise (CCW) Torque	-1.5 mV/V	
Zero Balance	±1% of FS, nominal	
Excitation (MAX)	3-6 V rms, 3 khz ±10% sine wave only	
Readout	Strain gage carrier amplifier	

*Specifications apply to mV/V models only. When selecting the **ON-BOARD SIGNAL CONDITIONING** or **DIGITAL OUTPUT** options please contact factory for specification details.

TORQUE RANGE		SPEED RATING	SHAFT* STIFFNESS	ROTATING INERTIA	MAX. WT.
[lb-in]	[Nm]	[rpm]	[lb-in/radian]	[oz-in sec ²]	[lbs]
25	2.82	0 to ±15,000	5,590	0.035	11
50	5.65	0 to ±15,000	11,700	0.035	11
100	11.3	0 to ±15,000	21,400	0.035	11
250	28.2	0 to ±15,000	50,200	0.036	12
500	56.5	0 to ±15,000	56,000	0.036	12
500	56.5	0 to ±10,000	154,000	0.11	23
1K	113	0 to ±10,000	214,000	0.11	23
2K	226	0 to ±10,000	421,000	0.16	26
5K	565	0 to ±10,000	593,000	0.16	26
10K	1,130	0 to ±8,000	1,800,000	2.3	105
20K	2,260	0 to ±8,000	2,700,000	2.4	105
25K	2,820	0 to ±6,000	5,700,000	2.8	115
50K	5,650	0 to ±6,000	7,100,000	3.0	115
100K	11,300	0 to ±3,600	29,000,000	11.0	150
250K	28,200	0 to ±3,600	36,000,000	11.7	150
500K	56,500	0 to ±1,800	125,000,000	207	780
1M	113,000	0 to ±1,800	142,000,000	218	800
1.5M	170,000	0 to ±1,200	221,000,000	567	1455
2M	226,000	0 to ±1,200	227,000,000	582	1475

*Stiffness is conservatively rated and includes both the torsion section and shaft ends.