

# Model 1216 Axial Torsion Load Cell

Why the Interface model 1216 Axial Torsion Load Cell is the best in class:

- Measures load and torque
- Minimal crosstalk
- Extraneous load resistance
- Fatigue rated

## OPTIONS\*

Integral Cable  
Compression Overload Protection  
Connector Protector



## SPECIFICATIONS

ACCURACY – (MAX ERROR)	Axial Bridge A	Torsion Bridge B
Nonlinearity-% FS	± 0.04	± 0.07
Hysteresis-% FS	± 0.04	± 0.05
Nonrepeatability-% RO	± 0.02	± 0.05
Creep, in 20 min-%	± 0.025	± 0.025

### TEMPERATURE

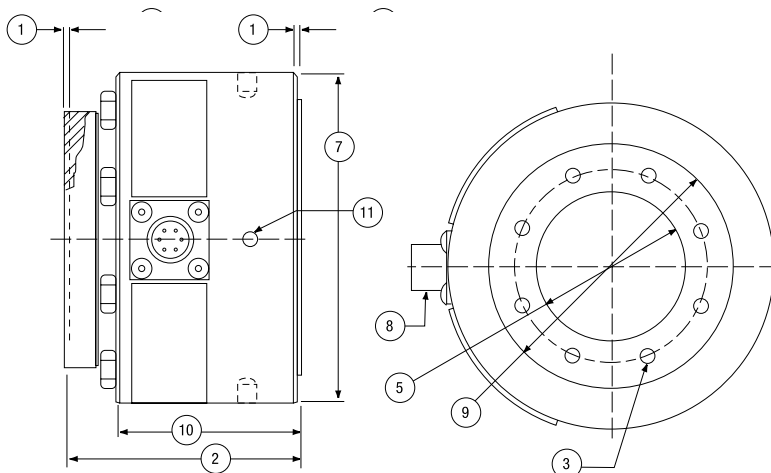
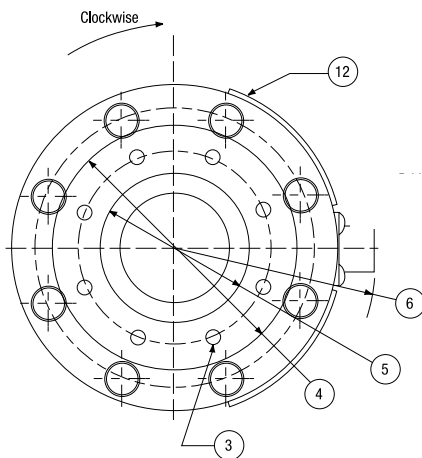
Compensated Range-°F	.....15 to 115	.....15 to 115
Compensated Range-°C	.....-10 to 45	.....-10 to 45
Operating Range-°F	.....-65 to 200	.....-65 to 200
Operating Range-°C	.....-55 to 90	.....-55 to 90
Effect on Output-%/100°F – MAX	.....± 0.08	.....± 0.08
Effect on Zero-% RO/100°F – MAX	.....± 0.08	.....± 0.08

### ELECTRICAL

Rated Output-mV/V (Nominal)	.....1.50	.....1.80
Zero Balance-% RO	.....± 2.0	.....± 2.0
Input Resistance-Ohms	.....700±7	.....700±7
Output Resistance-Ohms	.....700±7	.....700±7
Excitation Voltage – MAX	.....20 VDC	.....20 VDC

### MECHANICAL

Calibration	.....T&C	.....CW & CCW
Safe Overload-% CAP	.....± 200	.....± 200
Ultimate Overload-% CAP	.....± 400	.....± 400



## DIMENSIONS

See Drawing	MODEL 1216	
	CAPACITY (lbf)/(inch-lb)	
	250/125, 500/250, 1K/500, 2K/1000	
	inch	mm
①	0.070	1.78
②	3.00	76.2
③	0.250-28 x 0.43 deep on a 2.600 B.C.	
④	3.20	81.3
⑤	2.000 + 0.002 / -0.000	
⑥	2.77	70.3
⑦	4.13	104.3
⑧	PT02E-12-8P	
⑨	3.200	81.28
⑩	2.33	59.2
⑪	0.25	6.4
	0.25 deep	6.4 deep
⑫	Label	