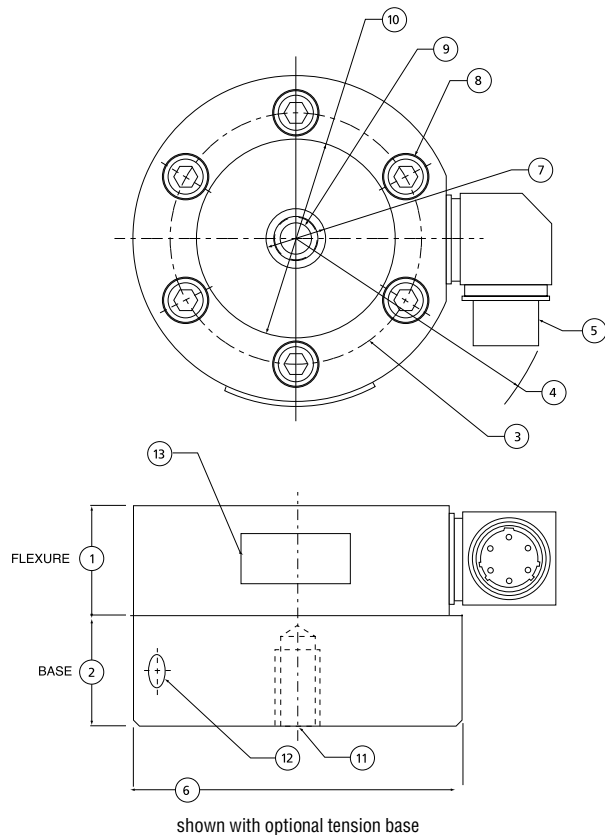


Model 2400 Standard Stainless Steel Load Cell

Capacities 100 lbf-5Klbf

Why the Interface model 2400 Standard Stainless Steel Load Cell is the best in class:

- Proprietary Interface temperature compensated strain gages
- Stainless steel construction
- Hermetically sealed
- Tension and compression
- Compact size
- Counterbored mounting holes



DIMENSIONS

See Drawing	MODEL			
	2420		2430	
	CAPACITY (lbf)			
	100, 250, 500, 1000		2K, 5K	
	inch	mm	inch	mm
①	1.00	25.4	1.00	25.4
②	1.00	25.4	1.00	25.4
③	2.25	57.2	2.63	66.7
④	2.43	61.7	2.68	68.1
⑤	PTWIH-10-6P			
⑥	3.00	76.2	3.50	88.9
⑦	0.55	14.0	0.81	20.5
⑧	Counterbored for 1/4-28 S.H.C.S.		Counterbored for 5/16-24 S.H.C.S.	
⑨	3/8-24 UNF-3B thru		1/2-20 UNF-3B thru	
⑩	1.81	46.0	2.07	52.5
⑪	3/8-24 UNF 0.70 Deep		1/2-20 UNF 0.70 Deep	
⑫	Spanner holes 2 SPACED @ 180°			
⑬	Identification Label			

SPECIFICATIONS

PARAMETERS	MODEL	
	2420	2430
	CAPACITY (lbf)	
	100, 250, 500, 1000	2K, 5K
ACCURACY – (MAX ERROR)		
Static Error Band-% FS	±0.10	±0.10
Nonlinearity-% FS	±0.10	±0.10
Hysteresis-% FS	±0.08	±0.08
Nonrepeatability-% RO	±0.02	±0.02
Creep, in 20 min-%	±0.05	±0.05
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 121	-55 to 121
Effect on Zero-%RO/°F – MAX	±0.002	±0.002
Effect on Output-%RO/°F – MAX	±0.002	±0.002
ELECTRICAL		
Rated Output-mV/V (Nominal)	3.0	3.0
Excitation Voltage-VDC – MAX	15	15
Bridge Resistance-Ohm (Nominal)	350	350
Zero Balance-% RO	±2.0	±2.0
Insulation Resistance-Megohm	5000	5000
MECHANICAL		
Safe Overload-% CAP	±150	±150
Deflection @ RO-inch	.003, .002, .002, .002	.002
Optional Base-P/N	B318-2	B319-2
Natural Frequency-kHz	2.2, 4.4, 6.0, 8.3	9.1, 11.7
Weight-lb	1.5	2.0
Connector	PTWIH-10-6P	
Seal	Glass-metal hermetic	
Flexure Material	Stainless steel	

OPTIONS

- Tension Base
- Submersible with Integral Cable
- Special Connectors
- Load Button
- 70-170°F Compensated Temperature Range
- Transducer Electronic Data Sheet (TEDS)

STANDARD CONFIGURATIONS

PTWIH-10-6P Connector (24xxBLX-nn)

ACCESSORIES

- Mating Connector
- Instrumentation
- Loading Hardware

Consult factory for more technical information

