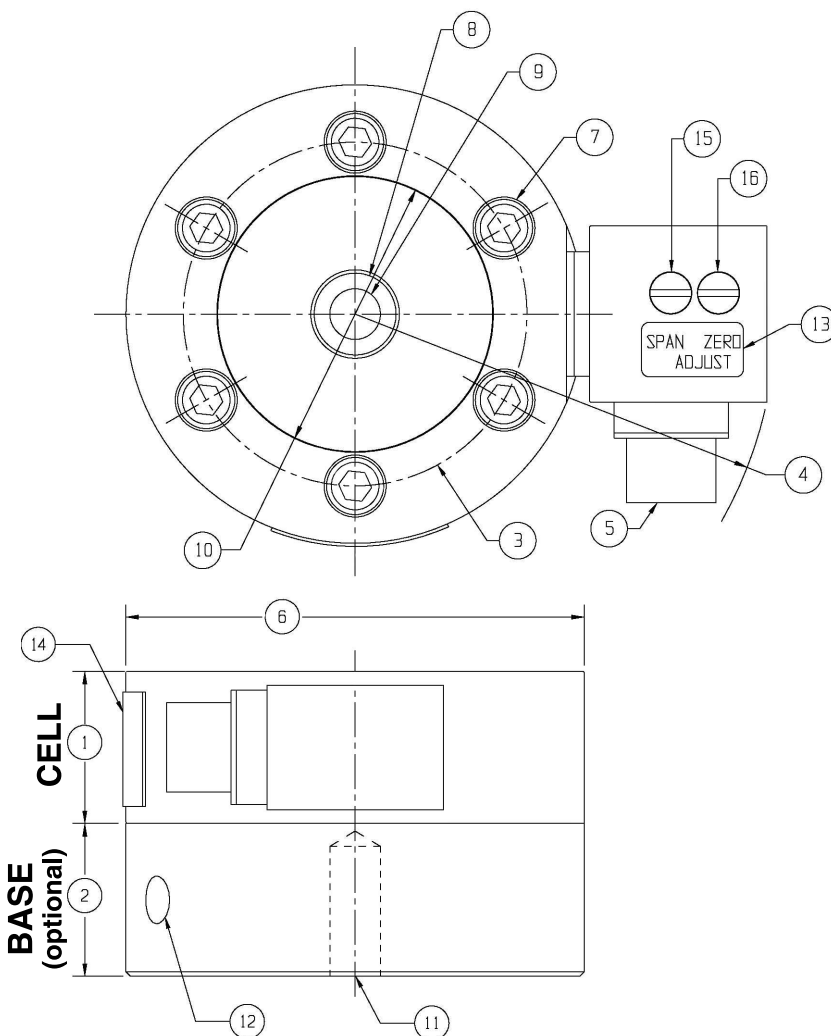


# Model 2404 Standard Stainless Steel 2-Wire Amplified Load Cell

Capacities 100 lbf-5K lbf

Why the Interface model 2404 Standard Stainless Steel 2-Wire Amplified Load Cell is the best in class:

- Stainless steel construction
- Hermetically sealed
- Tension and compression
- Counterbored mounting holes
- Internally amplified with 4-20 mA output
- Proprietary Interface temperature compensated strain gages



## DIMENSIONS

See Drawing	MODEL			
	2424		2434	
	CAPACITY (lbf)			
	100, 250, 500, 1000		2K, 5K	
	inch	mm	inch	mm
①	1	25.4	1	25.4
②	1	25.4	1	25.4
③	2.25	57.2	2.625	66.68
④	2.76	70.1	3.01	76.3
⑤	PTWIH-10-6P			
⑥	3	76.2	3.5	88.9
⑦	Counterbored for 1/4-28 S.H.C.S.		Counterbored for 5/16-24 S.H.C.S.	
⑧	0.55	14	0.81	20.5
⑨	3/8-24 UNF-3B thru		1/2-20 UNF-3B thru	
⑩	1.81	46	2.07	52.5
⑪	3/8-24 UNF 0.70 Deep		1/2-20 UNF 0.70 Deep	
⑫	(2) Spanner holes spaced at 180°			
⑬	Label			
⑭	Identification label			
⑮	Span Adjust			
⑯	Zero Adjust			

**SPECIFICATIONS**

PARAMETERS	MODEL	
	2424	2434
	CAPACITY (lbf)	
	100, 250, 500, 1000	2K, 5K
<b>ACCURACY – (MAX ERROR)</b>		
Nonlinearity-% FS	±0.10	±0.10
Hysteresis-% FS	±0.08	±0.08
Nonrepeatability-% RO	±0.03	±0.03
Creep, in 20 min-%	±0.05	±0.05
<b>TEMPERATURE</b>		
Compensated Range-°F	15 to 115	15 to 115
Compensated Range-°C	-10 to 45	-10 to 45
Operating Range-°F	-20 to 200	-20 to 200
Operating Range-°C	-30 to 93	-30 to 93
Effect on Zero-%RO/°F – MAX	±0.005	±0.005
Effect on Output-%RO/°F – MAX	±0.009	±0.009
<b>ELECTRICAL *Rated Output mA</b>		
*Tension or Compression (unipolar)	+16.000 ±0.032	
*Universal Tension (bipolar)	+8.000 ±0.016	
*Universal Compression (bipolar)	-8.000 ±0.016	
Zero Balance	4.000 ±0.100 (unipolar) 12.000 ±0.100 (bipolar)	
Zero Adjustment	1 mA range	
Span Adjustment	5% range	
Supply Voltage range VDC	9-28	
Bandwidth Hz	2000	
<b>MECHANICAL</b>		
Safe Overload-% CAP	±150	
Deflection @ RO–inch	50 & 100: 0.003, 250 thru 5K: 0.002	
Optional Base–P/N	B319-2	
Natural Frequency–kHz	1.3, 2.2, 4.4, 6.0, 8.3, 9.1, 11.7	
Connector	PTWIH-10-6P	

**OPTIONS**

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

**STANDARD CONFIGURATIONS**

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

CONNECTOR PINOUTS	
PIN	FUNCTION
A	+SUPPLY
B	NO CONNECTION
C	NO CONNECTION
D	+OUTPUT(4-20mA)
E	CASE GROUND
F	NO CONNECTION

**ACCESSORIES**

- Mating Connector
- Instrumentation
- Loading Hardware

*Consult factory for more technical information*