



**SPECIFICATIONS**

PARAMETERS	MODEL					
	1610	1610	1610	1620	1632	1640
	CAPACITY (lbf)					
U.S. Models (lbf) Metric Models (kN)	500 2.2	1K, 2K 4.5, 9	5K, 10K 22, 45	25K, 50K 110, 225	100K 450	200K 900
<b>ACCURACY – (MAX ERROR)</b>						
Static Error Band-% FS	± 0.02	± 0.02	± 0.025	± 0.03	± 0.05	± 0.05
Nonlinearity-% FS	± 0.03	± 0.03	± 0.04	± 0.04	± 0.05	± 0.05
Hysteresis-% FS	± 0.02	± 0.02	± 0.04	± 0.05	± 0.05	± 0.05
Nonrepeatability-% RO	± 0.005	± 0.005	± 0.005	± 0.005	± 0.005	± 0.05
Creep, 20 min-%	± 0.01	± 0.01	± 0.01	± 0.01	± 0.01	± 0.01
Side Load Sensitivity-%	± 0.1	± 0.1	± 0.1	± 0.1	± 0.1	± 0.1
Eccentric Load Sensitivity-%/in	± 0.1	± 0.1	± 0.1	± 0.1	± 0.1	± 0.1
Lower Load Limit-% Cap. (ASTM E74 CLASS A)	4.0	4.0	4.0	4.0	4.0	4.0
<b>TEMPERATURE</b>						
Compensated Range-°F	15 to 115	15 to 115	15 to 115	15 to 115	15 to 115	15 to 115
Compensated Range-°C	-10 to 45	-10 to 45	-10 to 45	-10 to 45	-10 to 45	-10 to 45
Operating Range-°F	-65 to 200	-65 to 200	-65 to 200	-65 to 200	-65 to 200	-65 to 200
Operating Range-°C	-55 to 90	-55 to 90	-55 to 90	-55 to 90	-55 to 90	-55 to 90
Effect on Zero-%RO/°F – MAX	± 0.0004	± 0.0004	± 0.0004	± 0.0004	± 0.0004	± 0.0004
Effect on Output-%/°F – MAX	± 0.0008	± 0.0008	± 0.0008	± 0.0008	± 0.0008	± 0.0008
<b>ELECTRICAL</b>						
Rated Output-mV/V (Nominal)	2.0	2.0	4.0	4.0	4.0	4.0
Excitation Voltage-VDC – MAX	20	20	20	20	20	20
Bridge Resistance-Ohm (Nominal)	350	350	350	350	350	350
Zero Balance-% RO	± 1.0	± 1.0	± 1.0	± 1.0	± 1.0	± 1.0
Insulation Resistance-Megohm	5000	5000	5000	5000	5000	5000
<b>MECHANICAL</b>						
Safe Overload-% CAP	± 150	± 150	± 150	± 150	± 150	± 150
Deflection @ RO-inch	0.002	0.002	0.004	0.004	0.006	0.010
Weight-lb	3.8	3.8	8.0	23.5	58	171
Connector	PT02E-12-8P	PT02E-12-8P	PT02E-12-8P	PT02E-12-8P	PT02E-12-8P	PT02E-12-8P
Calibration	T & C	T & C	T & C	T & C	T & C	T & C

**OPTIONS\***

Compression Overload Protection  
 Multiple Bridge - Add'tl Bridges to Meet 1200 Series Specifications  
 Standardized Output  
 ASTM E74 Calibration  
 Connector Protection  
 See Low Profile Options Page 115

**STANDARD CONFIGURATIONS**

- PT02E-12-8 Connector (16xxAJH-nn)

**ACCESSORIES\***

Precision mV/V Transfer Standard  
 Instrument Cable Assemblies  
 Signal Conditioning Boards  
 Calibration Software

\*See appendix for more technical information