

SPECIFICATIONS

PARAMETERS	MODEL				
	1611	1611	1611	1621	1633
	CAPACITY (lbf)				
	1K	2K	5K,10K	25K, 50K	100K
ACCURACY – (MAX ERROR)					
Static Error Band-% FS	± 0.02	± 0.02	± 0.025	± 0.03	± 0.04
Nonlinearity-% FS	± 0.03	± 0.03	± 0.04	± 0.04	± 0.04
Hysteresis-% FS	± 0.02	± 0.02	± 0.04	± 0.04	± 0.05
Nonrepeatability-% RO	± 0.005	± 0.005	± 0.005	± 0.005	± 0.005
Creep, 20 min-%	± 0.01	± 0.01	± 0.01	± 0.01	± 0.01
Side Load Sensitivity-%	± 0.1	± 0.1	± 0.1	± 0.1	± 0.1
Eccentric Load Sensitivity-%/in	± 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
TEMPERATURE					
Compensated Range-°F	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
Operating Range-°F	-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
Effect on Zero-%RO/°F – MAX	± 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
ELECTRICAL					
Rated Output-mV/V (Nominal)	2.0	2.0	4.0	4.0	4.0
Excitation Voltage-VDC – MAX	20	20	20	20	20
Bridge Resistance-Ohm (Nominal)	350	350	350	350	350
Zero Balance-% RO	± 1.0	± 1.0	± 1.0	± 1.0	± 1.0
Insulation Resistance-Megohm	5000	5000	5000	5000	5000
MECHANICAL					
Safe Overload-% CAP	± 150	± 150	± 150	± 150	± 150
Deflection @ RO-inch	0.002	0.002	0.004	0.004	0.006
Weight-lb	3.3	3.3	7.5	21.5	52
Connector	PT02E-12-8P	PT02E-12-8P	PT02E-12-8P	PT02E-12-8P	PT02E-12-8P
Calibration	Compression	Compression	Compression	Compression	Compression

OPTIONS*

Compression Overload Protection
 Multiple Bridge
 Standardized Output
 ASTM E74 Calibration
 Connector Protection
 See Low Profile Options Page 115

STANDARD CONFIGURATIONS

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

ACCESSORIES*

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

**See appendix for more technical information*