

SPECIFICATIONS

PARAMETERS	MODEL					
	1211	1211	1221	1231	1241	1243
	CAPACITY					
U.S. Models (lbf)	1K, 2K	5K, 10K	25K, 50K	100K	200K	300K, 400K
Metric Models (kN)	5, 10	25, 50	125, 250	450	900	1350, 1800
ACCURACY – (MAX ERROR)						
Static Error Band-% FS	± 0.03	± 0.04	± 0.04	± 0.04	± 0.05	± 0.05
Nonlinearity-% FS	± 0.03	± 0.04	± 0.05	± 0.05	± 0.05	± 0.05
Hysteresis-% FS	± 0.03	± 0.04	± 0.05	± 0.05	± 0.05	± 0.05
Nonrepeatability-% RO	± 0.01	± 0.01	± 0.01	± 0.01	± 0.01	± 0.01
Creep, in 20 min-%	± 0.025	± 0.025	± 0.025	± 0.025	± 0.025	± 0.025
Side Load Sensitivity-%	± 0.25	± 0.25	± 0.25	± 0.25	± 0.25	± 0.25
Eccentric Load Sensitivity-%/in	± 0.25	± 0.25	± 0.25	± 0.25	± 0.25	± 0.25
TEMPERATURE						
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	± 0.0008	± 0.0008	± 0.0008	± 0.0008	± 0.0008	± 0.0008
Effect on Zero-%RO/°C – MAX	± 0.0015	± 0.0015	± 0.0015	± 0.0015	± 0.0015	± 0.0015
Effect on Output-%/F – MAX	± 0.0008	± 0.0008	± 0.0008	± 0.0008	± 0.0008	± 0.0008
Effect on Output-%/°C – MAX	± 0.0015	± 0.0015	± 0.0015	± 0.0015	± 0.0015	± 0.0015
ELECTRICAL						
Rated Output-mV/V (Nominal)	2.0	4.0	4.0	4.0	4.0	3.0, 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
MECHANICAL						
Safe Overload-% CAP	± 150	± 150	± 150	± 150	± 150	± 150
Deflection @ RO-inch	0.001	0.002	0.002	0.003	0.004	0.005
Deflection @ RO-mm	0.03	0.05	0.05	0.08	0.10	0.13
Optional Base-P/N	B101	B102	B106	B104	B108	B124
Natural Frequency-kHz	6.4, 9.0	6.1, 8.6	8.2, 11.7	7.6	6.7	5.0
Weight-lb	1.5	3.3	6.8	13.5	40	74
Weight-kg	0.7	1.5	3.1	6	18	34
Connector	PC04E-10-6P	PC04E-10-6P	PC04E-10-6P	PC04E-10-6P	PC04E-10-6P	PC04E-10-6P
Calibration	Compression	Compression	Compression	Compression	Compression	Compression

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Base (Recommended)
 Compression Overload Protection
 Integral 10 ft Cable
 Bayonet Connector
 Multiple Bridge
 Standardized Output
 Connector Protection
 See Transducer Electronic Data Sheet (TEDS) Page 118

STANDARD CONFIGURATIONS

- 10 ft Integral Cable (12xxEX-nn)
 <or> PC04E-10-6P Standard Connector (12xxHL-nn)
 <or> PT02E-10-6P Bayonet Connector (12xxBAY-nn)
- Installed Base (-B suffix)
- Counterbored Mounting Holes Except 1243

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Mating Connector
 Instrumentation
 Loading Hardware

*See appendix for more technical information



Shown with optional base