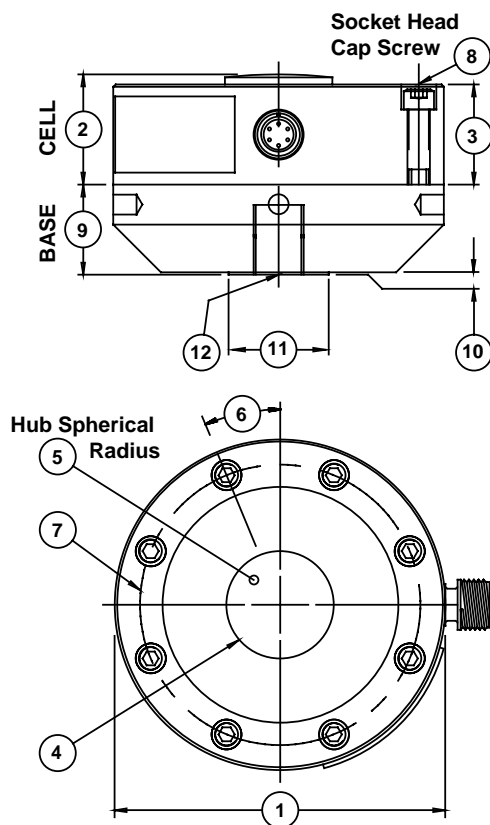


Model 1200 Precision Series Compression Only (U.S. & Metric)

Why INTERFACE 1200 series load cells are the best in class:

- Accuracy to 0.03%
- High output – to 4 mV/V
- Eccentric load compensated
- .0008%/°F (.0013%/°C) temp effect on output
- Low deflection
- Shunt calibration
- Barometric compensation
- Compact size
- Counterbored mounting holes



DIMENSIONS

See Drawing	MODEL							
	1211		1221		1231		1241	
	CAPACITY							
	U.S. (lbf)	Metric (kN)	U.S. (lbf)	Metric (kN)	U.S. (lbf)	Metric (kN)	U.S. (lbf)	Metric (kN)
	1K, 2K, 5K, 10K	5, 10, 25, 50	25K, 50K	125, 250	100K	450	200K	900
	inch	mm	inch	mm	inch	mm	inch	mm
①	4.13	104.8	4.75	153.9	7.50	190.5	8.25	210
②	1.38	34.9	1.75	44.5	2.25	57.2	3.25	82.5
③	1.25	31.7	1.63	41.4	2.00	50.8	3.00	76.2
④	1.34	34.0	1.57	67.3	3.13	79.5	3.16	80.3
⑤	6.00	152.4	6.00	130.3	8.00	203.2	12.0	304.8
⑥	22.5°	22.5°	45.0°	45.0°	15.0°	15.0°	15.0°	15.0°
⑦	3.50	88.9	4.00	10.4	6.25	153.8	6.75	171
⑧	8 places 1/4-28x1 1/4		4 places 5/16-24x1 3/4		12 places 7/16-20x2		12 places 5/8-18x3	
⑨	1.13	28.6	1.25	44.5	2.00	50.8	2.5	63.5
⑩	0.03	0.80	0.03	0.80	0.03	0.80	0.03	0.80
⑪	1.25	31.8	2.00	57.2	3.00	76.2	3.00	76.2
⑫	5/8-18 UNF-3B 0.87 in. deep	M16 X 2-4H 22.1 mm deep	1/2-20 UNF-3B 0.88 in. deep	M16 X 2-6H 22.4 mm deep	1 3/4-12 UNF-3B 1.75 in. deep	M42 X 2-4H 44.5 mm deep	3/4-16 UNF-3B 1.50 in. deep	M72 X 2-4H 38.1 mm deep

SPECIFICATIONS

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

OPTIONS*

Base (recommended)
 Compression overload protection
 Integral 10 ft cable
 Bayonet Connector
 Multiple bridge
 Standardized output
 Connector protection

ACCESSORIES*

Mating connector
 Instrumentation
 Loading hardware

* See appendix for more technical information

STANDARD CONFIGURATIONS

- 10 ft Integral Cable (12xxAJ-nn)
- <or> PC04E-10-6P Standard Connector (12xxAF-nn)
- <or> PT02E-10-6P Bayonet Connector (12xxACK-nn)
- Installed Base (-B suffix)



Shown with optional base