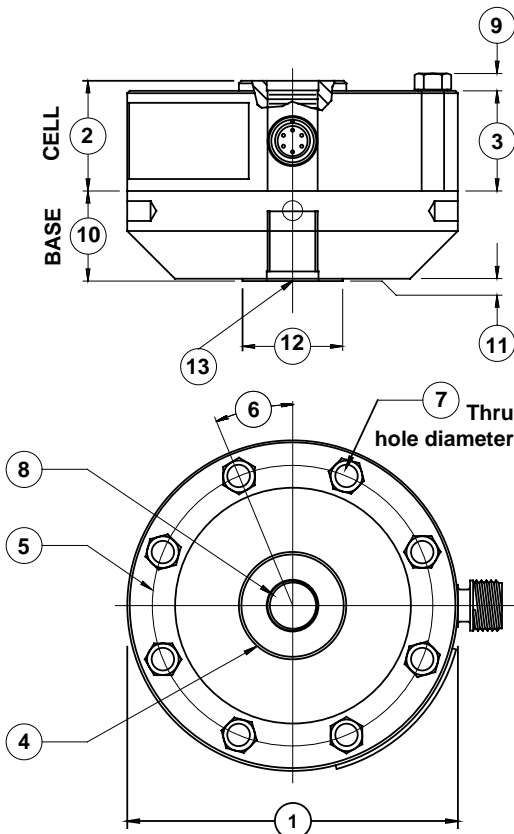


Model 1200 Precision Series Universal (U.S. & Metric)

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

- Proprietary Interface temperature compensated strain gages
- Accuracy to .04%
- High output – to 4 mV/V
- Eccentric Load compensated
- .0008%/°F (.0015%/°C) temp effect on output
- Low deflection
- Shunt calibration
- Barometric compensation
- Tension and compression
- Compact size



DIMENSIONS

See Drawing	MODEL							
	1210		1220		1232		1240	
	CAPACITY							
	U.S. (lbf)	Metric (kN)	U.S. (lbf)	Metric (kN)	U.S. (lbf)	Metric (kN)	U.S. (lbf)	Metric (kN)
	300, 500, 1K, 2K, 3K, 5K, 10K	1.5, 2.5, 5, 10, 25, 50	25K, 50K	100, 250	100K	450	200K	900
	inch	mm	inch	mm	inch	mm	inch	mm
①	4.13	104.8	6.06	153.9	8.00	203.2	11.0	279.0
②	1.38	34.9	1.75	44.5	2.50	63.5	3.50	88.9
③	1.25	31.7	1.63	41.4	2.25	57.2	3.00	76.2
④	1.34	34.0	2.65	67.3	3.76	95.2	4.81	122.2
⑤	3.50	88.9	5.13	130.3	6.50	165.1	9.00	229
⑥	22.5°	22.5°	15.0°	15.0°	11.25°	11.25°	11.25°	11.25°
⑦	0.28	7.10	0.41	10.4	0.53	13.5	0.65	16.8
	8 places		12 places		16 places		16 places	
⑧	5/8-18 UNF-3B	M16 X 2-4H	1 1/4-12 UNF-3B	M33 X 2-4H	1 3/4-12 UNF-3B	M42 X 2-4H	2 3/4-8 UNF-3B	M72 X 2-4H
	1.12 in. deep	28.4 mm deep	1.40 in. deep	35.6 mm deep	2.15 in. deep	54.6 mm deep	3.25 in. deep	82.6 mm deep
⑨	0.20	5.10	0.30	7.60	0.40	10.2	0.50	12.7
⑩	1.13	28.6	1.75	44.5	2.00	50.8	3.00	76.2
⑪	0.03	0.80	0.03	0.80	0.03	0.80	0.03	0.80
⑫	1.25	31.8	2.25	57.2	3.00	76.2	4.50	114.0
⑬	5/8-18 UNF-3B	M16 X 2-4H	1 1/4-12 UNF-3B	M33 X 2-4H	1 3/4-12 UNF-3B	M42 X 2-4H	2 3/4-8 UNF-3B	M72 X 2-4H
	.87 in. deep	22.1 mm deep	1.40 in. deep	35.6 mm deep	1.75 in. deep	44.5 mm deep	2.75 in. deep	69.8 mm deep

SPECIFICATIONS

PARAMETERS	MODEL				
	1210	1210	1220	1232	1240
	CAPACITY				
U.S. Models (lbf)	300, 500, 1K, 2K	5K, 10K	25K, 50K	100K	200K
Metric Models (kN)	1.5, 2.5, 5, 10	25, 50	100, 250	450	900
ACCURACY – (MAX ERROR)					
Static Error Band-% FS	± 0.04	± 0.05	± 0.05	± 0.06	± 0.07
Nonlinearity-% FS	± 0.04	± 0.05	± 0.05	± 0.05	± 0.07
Hysteresis-% FS	± 0.03	± 0.05	± 0.06	± 0.06	± 0.07
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	B103	B112	B105
Natural Frequency-kHz	3.9, 5.0, 6.9, 9.8	6.6, 9.4	6.5, 7.0	5.8	4.9
Weight-lb	1.5	3.3	9.5	26	68
Weight-kg	0.7	1.5	4.3	11.8	30.9
Connector	PC04E-10-6P	PC04E-10-6P	PC04E-10-6P	PC04E-10-6P	PC04E-10-6P
Calibration	T & C	T & C	T & C	T & C	T & C

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