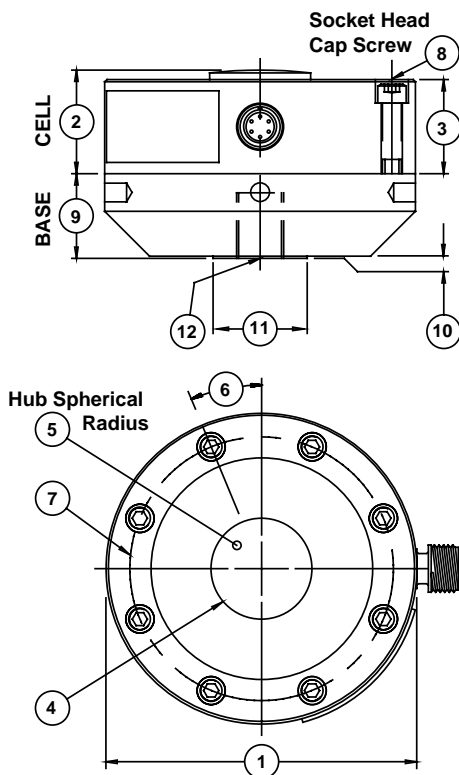


## Model 1200 Precision Series Compression Only Metric

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 temp effect on output\*
- Low deflection
- Shunt calibration
- Barometric compensation
- Compact size
- Counterbored mounting holes



### DIMENSIONS

See Drawing	MODEL			
	1211	1221	1231	1241
	CAPACITY (kN)			
	5, 10, 25, 50	125, 250	450	900
	mm	mm	mm	mm
①	104.8	120.7	190.5	210.0
②	34.9	44.5	57.2	82.5
③	31.7	41.4	50.8	76.2
④	34.0	39.9	79.5	80.3
⑤	152.4	152.4	203.2	304.8
⑥	22.5	45.0	15.0	15.0
⑦	88.9	101.6	158.8	171.0
⑧	10.3	12.7	17.5	25.4
⑧	1/4-28x1 1/4	5/16-24x1 3/4	7/16-20x2	5/8-18x3
⑧	8 places	4 places	12 places	16 places
⑨	28.6	31.8	50.8	63.5
⑩	0.80	0.80	0.80	0.80
⑪	31.8	50.8	76.2	76.2
⑫	M16 X 2-4H	M16 X 2-6H	M42 X 2-4H	M27 X 2-6H
⑫	22.1 deep	22.4 deep	44.5 deep	38.1 deep

# Model 1200 Precision Series Compression Only Metric

## SPECIFICATIONS

PARAMETERS	MODEL				
	1211	1211	1221	1231	1241
	CAPACITY (kN)				
	5, 10	25, 50	125, 250	450	900
<b>ACCURACY – (MAX ERROR)</b>					
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
<b>TEMPERATURE</b>					
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/°C – MAX	± 0.0015	± 0.0015	± 0.0015	± 0.0015	± 0.0015
Effect on Output-%/°C – MAX	± 0.0015	± 0.0015	± 0.0015	± 0.0015	± 0.0015
<b>ELECTRICAL</b>					
Rated Output-mV/V (Nominal)	2.0	4.0	4.0	4.0	4.0
Nominal Excitation Voltage-VDC	10	10	10	10	10
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
<b>MECHANICAL</b>					
Safe Overload-% CAP	± 150	± 150	± 150	± 150	± 150
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 (kg)	1.5 (0.7)	3.3 (1.5)	6.8 (3.1)	13.5 (6)	40 (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  
 Multiple bridge  
 Standardized output

## ACCESSORIES\*

Mating connector  
 Instrumentation  
 Loading hardware



Shown with optional base

\* Please call for additional information