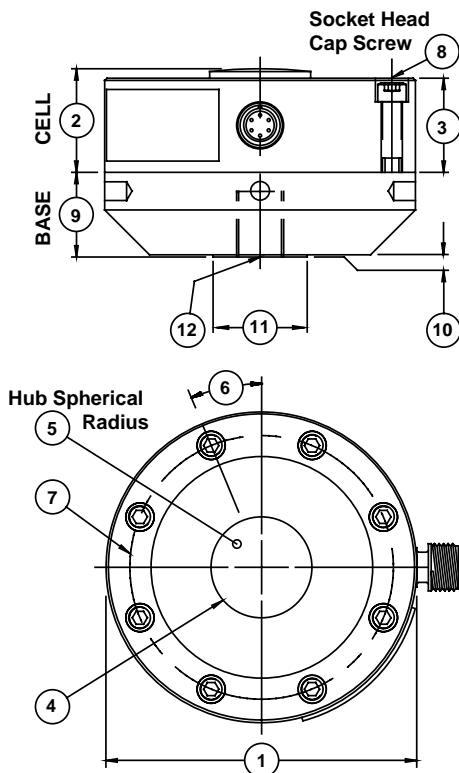


Model 1100 Ultra Precision Series Compression Only

Why INTERFACE 1100 series load cells are the best in class:

- Accuracy to .02%
- High output – to 4mV/V
- Eccentric load compensated*
- Low deflection
- .0008%/°F temp effect on output*
- Shunt calibration
- High precision base included
- Barometric compensation



DIMENSIONS

See Drawing	MODEL					
	1111		1121		1121	
	CAPACITY (lbf)		25K		50K	
	1K, 2K, 5K, 10K					
	inch	mm	inch	mm	inch	mm
①	4.13	104.8	6.06	153.9	6.06	153.9
②	1.38	34.9	1.75	44.5	1.75	44.5
③	1.25	31.7	1.63	41.4	1.63	41.4
④	1.34	34.0	2.65	67.3	2.65	67.3
⑤	6.00	152.4	8.00	203.2	8.00	203.2
⑥	22.5°	22.5°	15.0°	15.0°	15.0°	15.0°
⑦	3.52	88.9	5.13	130.3	5.13	130.3
⑧	8 places		12 places		12 places	
⑨	1.13	28.6	1.75	44.5	1.75	44.5
⑩	0.03	0.80	0.03	0.80	0.03	0.80
⑪	1.25	31.8	2.25	57.2	2.25	57.2
⑫	5/8-18 UNF-3B		1 1/4-12 UNF-3B		1 1/4-12 UNF-3B	
⑬	0.87 in. deep		1.40 in. deep		1.40 in. deep	

Model 1100 Ultra Precision Series Compression Only

SPECIFICATIONS

PARAMETERS	MODEL				
	1111	1111	1111	1111	1121
	CAPACITY (lbf)				
	1K	2K	5K	10K	25K, 50K
ACCURACY – (MAX ERROR)					
Static Error Band-% FS	± 0.02	± 0.02	± 0.03	± 0.03	± 0.03
Nonlinearity-% FS	± 0.03	± 0.03	± 0.04	± 0.04	± 0.04
Hysteresis-% FS	± 0.02	± 0.02	± 0.04	± 0.04	± 0.04
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-%	± 0.1	± 0.1	± 0.1	± 0.1	± 0.1
Eccentric Load Sensitivity-%/in	± 0.1	± 0.1	± 0.1	± 0.1	± 0.1
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 115
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	0.004
Base Part Number (Ref)	B101	B101	B102	B102	B103
Natural Frequency-kHz	4.5	6.4	4.3	6.1	4.1, 4.6
Weight-lb	3.3	3.3	7.3	7.3	21.5
Connector	PC04E-10-6P	PC04E-10-6P	PC04E-10-6P	PC04E-10-6P	PC04E-10-6P
Calibration	Compression	Compression	Compression	Compression	Compression

OPTIONS*

Compression overload protection
Integral 10 ft cable
Multiple bridge
Standardized output

ACCESSORIES*

Mating connector
Instrumentation
Loading hardware

* Please call for additional information