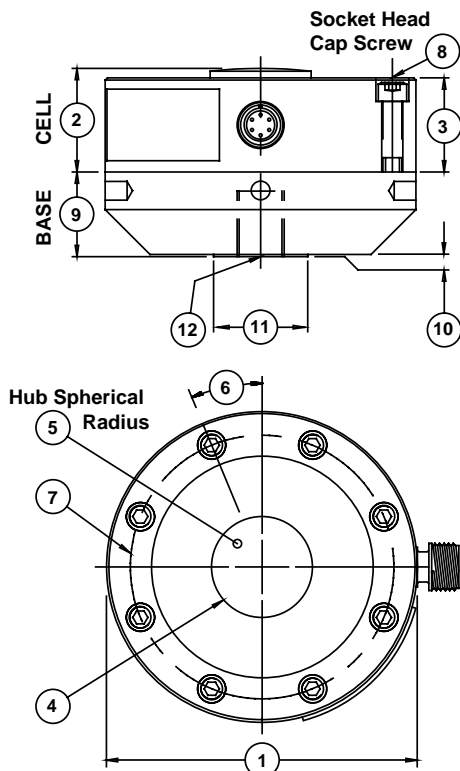


Model 1100 Ultra Precision Series Compression Only Metric

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

- Accuracy to .02%
- High output – to 4 mV/V
- Eccentric load compensated*
- Low deflection
- .0015%/°C temp effect on output*
- Shunt calibration
- High precision base included
- Barometric compensation



DIMENSIONS

See Drawing	MODEL		
	1111	1121	1121
	CAPACITY (kN)		
	5, 10, 25, 50	100	250
	mm	mm	mm
①	104.8	153.9	153.9
②	34.9	44.5	44.5
③	31.7	41.4	41.4
④	34.0	61.2	67.3
⑤	152.4	203.2	203.2
⑥	22.5°	15°	15°
⑦	88.9	130.3	130.3
⑧	8 places	12 places	12 places
⑨	28.6	44.5	44.5
⑩	0.8	0.8	0.8
⑪	31.8	57.2	57.2
⑫	M16 X 2-4H	M33 X 2-4H	M33 X 2-4H
⑬	22.1 deep	35.6 deep	35.6 deep

Model 1100 Ultra Precision Series Compression Only Metric

SPECIFICATIONS

PARAMETERS	MODEL				
	1111	1111	1111	1111	1121
	CAPACITY (kN)				
	5	10	25	50	100, 250
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, 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/°C – MAX	± 0.0007	± 0.0007	± 0.0007	± 0.0007	± 0.0007
Effect on Output-%/°C – MAX	± 0.0015	± 0.0015	± 0.0015	± 0.0015	± 0.0015
ELECTRICAL					
Rated Output-mV/V (Nominal)	2.0	2.0	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
MECHANICAL					
Safe Overload-% CAP	± 150	± 150	± 150	± 150	± 150
Deflection @ RO-mm	0.05	0.05	0.10	0.10	0.10
Base Part Number (Ref)	B101M	B101M	B102M	B102M	B103M
Natural Frequency-kHz	4.5	6.4	4.3	6.1	4.1, 4.6
Weight-lb (kg)	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