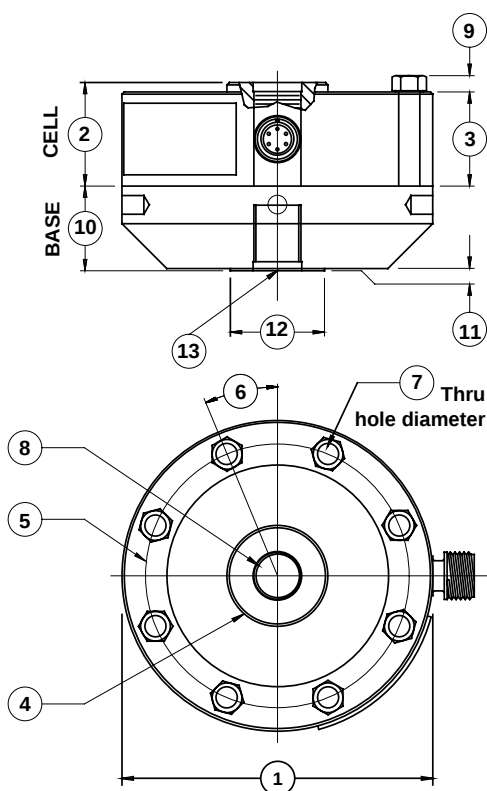


Model 1000 Fatigue Rated Series Universal Metric

Why INTERFACE 1000 series load cells
are the best in class:

- 100 million fully reversed cycles
- Accuracy to 0.03%
- Eccentric load compensated*
- Low deflection
- Shunt calibration
- Tension and compression
- Barometric compensation
- .0015 %/°C temp effect on output*



DIMENSIONS

See Drawing	MODEL			
	1010	1020	1032	1040
	CAPACITY (kN)			
	1.25, 2.5, 5 mm	50, 125 mm	225 mm	450 mm
①	104.8	153.9	203.2	279
②	34.9	44.5	63.5	88.9
③	31.7	41.4	57.2	76.2
④	34.0	61.2	95.5	122.2
⑤	88.9	130.3	165.1	229
⑥	22.5	15.0	11.25	11.25
⑦	8 places	12 places	16 places	16 places
⑦	7.10	10.4	13.5	16.8
⑧	M16 X 2-4H	M33 X 2-4H	M42 X 2-4H	M72 X 2-4H
⑧	28.4 deep	35.6 deep	54.6 deep	82.6 deep
⑨	5.10	7.60	10.2	12.7
⑩	28.6	44.5	50.8	76.2
⑪	0.80	0.80	0.80	0.80
⑫	31.8	57.2	76.2	114
⑬	M16 X 2-4H	M33 X 2-4H	M42 X 2-4H	M72 X 2-4H
⑬	22.1 deep	35.6 deep	44.5 deep	69.8 deep

Model 1000 Fatigue Rated Series Universal Metric

SPECIFICATIONS

PARAMETERS	MODEL				
	1010	1010	1020	1032	1040
	CAPACITY (kN)				
	1.25, 2.5, 5	12.5, 25	50, 125	225	450
ACCURACY – (MAX ERROR)					
Static Error Band–% FS	± 0.03	± 0.04	± 0.05	± 0.05	± 0.06
Nonlinearity–% FS	± 0.04	± 0.04	± 0.05	± 0.05	± 0.06
Hysteresis–% FS	± 0.03	± 0.04	± 0.05	± 0.05	± 0.06
Nonrepeatability–% RO	± 0.02	± 0.02	± 0.02	± 0.02	± 0.02
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 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
ELECTRICAL					
Rated Output–mV/V (Nominal)	1.00	2.00	2.00	2.00	2.00
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	± 300	± 300	± 300	± 300	± 300
Deflection @ RO–mm	0.013	0.025	0.025	0.050	0.075
Optional Base–P/N	B101M	B102M	B103M	B112M	B105M
Natural Frequency–kHz	5.0, 6.9, 9.8	6.6, 9.4	6.5, 7.0	5.8	4.9
Weight–lb (kg)	1.5 (0.7)	3.3 (1.5)	9.5 (4.3)	26 (12)	68 (31)
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)
Integral 10 ft cable
Multiple bridge
Standardized output

ACCESSORIES*

Mating connector
Instrumentation
Loading hardware



Shown with base

* Please call for additional information