

Model ULC Series Ultra Low Capacity

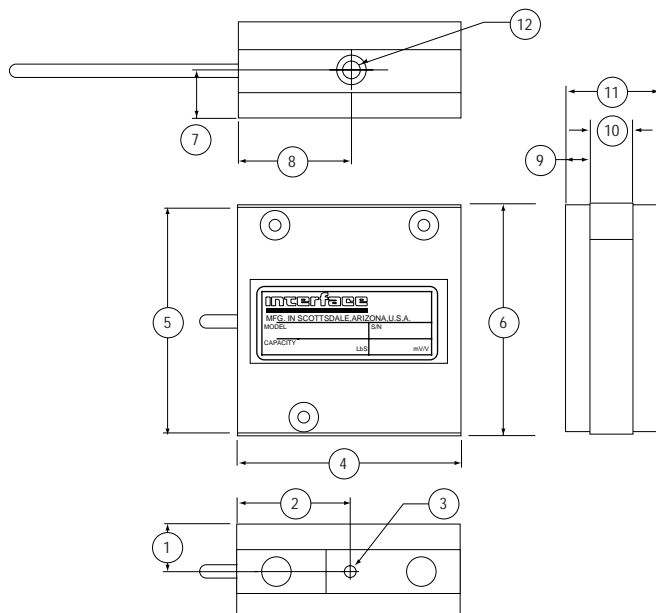
- Proprietary Interface temperature compensated strain gages
- Highest accuracy gram cell in the world
- Capacities as low as 0.5N
- Safe axial overload to 10 times capacity
- Safe side load overload to 5 times capacity
- Low extraneous load sensitivity
- Low temperature effect on zero (0.002%/°F)

STANDARD CONFIGURATION

- 5 Ft Cable (ULC-nnN)

OPTIONS

Extra cable length



SPECIFICATIONS

ACCURACY – (MAX ERROR)

Nonlinearity–% FS	±0.05
Hysteresis–% FS	±0.05
Nonrepeatability–% RO	±0.05
Creep, in 20 min–% (0.5N)	±0.01
(All Others)	±0.05

TEMPERATURE

Compensated Range–°F	15 to 115
Compensated Range–°C	-10 to 45
Operating Range–°F	-65 to 200
Operating Range–°C	-55 to 90
Effect on Output–%/°F – MAX	±0.001
Effect on Output–%/°C – MAX	±0.002
Effect on Zero–% RO/°F – MAX	±0.002
Effect on Zero–% RO/°C – MAX	±0.004

ELECTRICAL

Rated Output–mV/V (Nominal)(0.5N)	±1.5
(All Others)	±2.0
Zero Balance–% RO (horiz.)	± 2.0
Input Resistance–Ohms	350+35/-3.5
Output Resistance–Ohms	350±3.5
Excitation Voltage – MAX	12 VDC
Insulation Resistance – Megohms	5000

MECHANICAL

Safe Axial Overload–% CAP	±1000
Safe Side Load Overload–% CAP	±500
Safe Load Axis Moment–% CAP x 1 in.	±500
Cable length–ft	5

DIMENSIONS

See Drawing	CAPACITY (N)* 0.5, 1, 2, 3	
	inch	mm
①	0.42	10.6
②	0.99	25.1
③	4-40 UNC x 0.19 (4.8) Deep	
④	1.98	50.3
⑤	1.96	49.8
⑥	2.00	50.8
⑦	0.42	10.6
⑧	0.99	25.1
⑨	0.23	5.8
⑩	0.38	9.5
⑪	0.84	21.2
⑫	1/4-28 UNF x 0.32 (8.1) Deep	

* 1 Newton = 102 gram force

Note: Other sizes are available – contact factory.