

Model ULC Ultra Low Capacity Load Cell

Why the Interface model ULC Ultra Low Capacity Load Cell is the best in class:

- Proprietary Interface temperature compensated strain gages
- Highest performance gram cell in the world
- Overload protected
- Safe side load overload to 5X capacity
- Low extraneous load sensitivity
- Low temperature effect on zero (0.002%/°F)
- Capacity down to 50 grams
- Tension and compression

STANDARD CONFIGURATION

5 ft Cable (ULC-nnN)

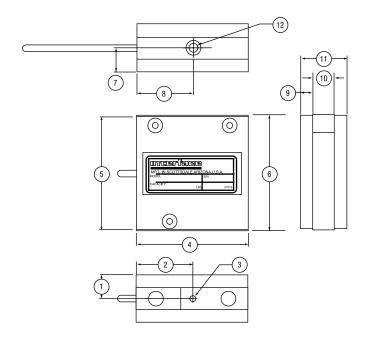
OPTIONS

Extra Cable Length

ACCESSORIES

Instrumentation

Consult factory for more technical information





SPECIFICATIONS

ACCURACY - (MA		
Nonlinearity-% FS		
Hysteresis-% FS		±0.05
Nonrepeatability-		
Creep, in 20 min-	% (0.5N)	±0.1
(/	All Others)	±0.05
TEMPERATURE		
Compensated Rar	nge-°F	15 to 115
Compensated Rar	ığe–°C	10 to 45
Operating Range-	۴	65 to 200
Operating Range-	-°C	55 to 90
Effect on Output-	%/°F – MAX	±0.001
Effect on Output-		
Effect on Zero-%	R0/°F - MAX	±0.002
Effect on Zero-%	RO/°C - MAX	±0.004
ELECTRICAL		
Rated Output-mV/V	(Nominal)(0.5N).	±1.5
	(All Others)	
Zero Balance-% F	(horiz.)	±2.0
Input Resistance-		
Output Resistance		
Excitation Voltage		
Insulation Resista		
MECHANICAL		
Calibration		Tension
Safe Axial Overloa	ıd–% CAP	+1000
Safe Side Load Ov		
Safe Load Axis Mon		
Cable length-ft	,	
Natural Frequency		
N		Nat. Freq.
••	(inches)	(Hertz)
0.5	0.011	120
0.0	0.011	120

DIMENSIONS

0.011

0.008

125

See Drawing	CAPACITY (N)* 0.5, 1, 2		
g	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