

Model SML Series

Why INTERFACE SML load cells are the best in class:

- Proprietary Interface temperature compensated strain gages
- From 3/4" high
- .05% accuracy
- Low extraneous load sensitivity
- Tension or compression
- .0008%/°F temperature effect on output



SPECIFICATIONS

ACCURACY - (MAX ERROR)	5-300	500, 1000
Nonlinearity-% FS	± 0.05	± 0.10
Hysteresis-% FS	± 0.05	± 0.10
Nonrepeatability-% RO	± 0.03	
Creep, in 20 min.-%	± 0.05	
TEMPERATURE		
Compensated Range-°F	0 to 150	
Compensated Range-°C	-15 to 65	
Operating Range-°F	-65 to 200	
Operating Range-°C	-55 to 90	
Effect on Output-%/F - MAX	± 0.0008	
Effect on Zero-% RO/F - MAX	± 0.005	

ELECTRICAL		
Rated Output-mV/V (Nominal)	2.0	
Zero Balance-% RO	± 1.0	
Bridge Resistance-Ohm (Nominal)	350	
Excitation Voltage - MAX	15 VDC	
Insulation Resistance - Megohm	5000	

MECHANICAL		
Calibration	Tension	
Safe Overload-% CAP:		
5, 10 lbf	800	
25-1000 lbf	150	
Cable length-ft	5	
Natural Frequency/Deflection:		

lbf	Deflection (inches)	Nat. Freq. (Hertz)
5, 10	.005	3000
25	.004	2500
50	.003	3300
100	.003	5000
200, 300	.003	4500
500, 1000	.003	1800

STANDARD CONFIGURATION

- 5 Ft Integral Cable (SML-nn)

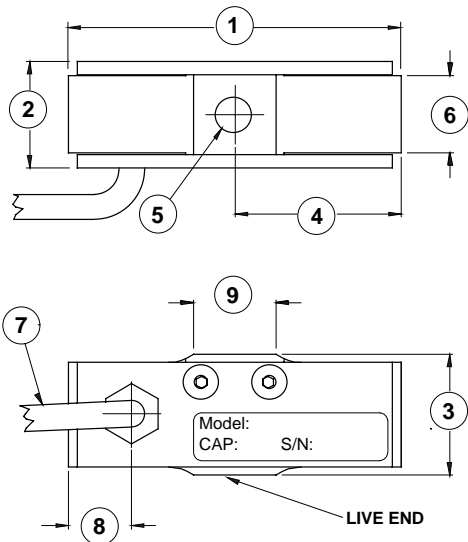
OPTIONS*

- Extra cable length
- Studs instead of threaded holes

ACCESSORIES*

Instrumentation

* See appendix for more technical information



DIMENSIONS

See Drawing	5, 10		CAPACITY (lbf) 25, 50, 100		200, 300 500, 1000	
	inch	mm	inch	mm	inch	mm
①	1.80	45.7	2.00	50.8	2.12	53.8
②	0.52	13.2	0.64	16.4	0.90	22.9
③	0.73	18.6	0.73	18.6	0.98	24.9
④	0.90	22.9	1.00	25.4	1.06	26.9
⑤	10-32 UNF-2B		1/4-28 UNF-2B		3/8-24 UNF-2B	
	.20 deep		.25 deep		.38 deep	
⑥	0.34	8.6	0.46	11.8	0.72	18.3
⑦	0.13	3.3	0.13	3.3	0.13	3.3
⑧	0.29	7.4	0.38	9.7	.46	11.7
⑨	0.50	12.7	0.50	12.7	0.57	14.5