SIDE MOUNT LOAD CELL

The Side Mount Load Cell is a bi-directional strain gauge based transducer with high performance and built-in temperature compensation. This design provides better than ±0.02% (full scale) non-linearity.

WIRING

- The OLP Beam LC is provided with 28 AWG wiring, overall cable length 6in (152.4mm)

DIMENSIONS

Dimensions continued on next page.

SIDE MOUNT LOAD CELL

DIMENSIONS CONTINUED

MODEL	CAPACITY	THREAD	A	B	C	D	SAFE
ABLC-M	9.8N	M5 x 0.8 – 6H	3.4 [.13]	6.5 [.26]	8.13 [.32]	-	1112N
ABLC-U	2.2lb	#10-32 UNF-2B	3.6 [.14]	6.4 [.25]	8.13 [.32]	-	250lb
ABLC-M	22.2N	M5 x 0.8	3.4 [.13]	6.5 [.26]	8.13 [.32]	-	1112N
ABLC-U	5lb	#10-32 UNF-2B	3.6 [.14]	6.4 [.25]	8.13 [.32]	-	250lb
ABLC-M	44.5N	M5 x 0.8	3.4 [.13]	6.5 [.26]	8.13 [.32]	-	1112N
ABLC-U	10lb	#10-32 UNF-2B	3.6 [.14]	6.4 [.25]	8.13 [.32]	-	250lb
ABLC-M	111N	M5 x 0.8	3.4 [.13]	6.5 [.26]	8.13 [.32]	-	1112N
ABLC-U	25lb	#10-32 UNF-2B	3.6 [.14]	6.4 [.25]	8.13 [.32]	-	250lb
ABLC-M	222N	M5 x 0.8	3.4 [.13]	6.5 [.26]	8.13 [.32]	-	1112N
ABLC-U	50lb	#10-32 UNF-2B	3.6 [.14]	6.4 [.25]	8.13 [.32]	-	250lb
ABLC-M	1445N	M5 x 0.8	3.4 [.13]	6.5 [.26]	8.13 [.32]	-	1112N
ABLC-U	100lb	#10-32 UNF-2B	3.6 [.14]	6.4 [.25]	8.13 [.32]	-	250lb
ABLC-M	890N	M5 x 0.8	3.4 [.13]	6.5 [.26]	8.13 [.32]	2.38 [.094]	1780N*
ABLC-U	200lb	#10-32 UNF-2B	3.6 [.14]	6.4 [.25]	8.13 [.32]	2.38 [.094]	400lb*
ABLC-M	2224N	M6 x 1	4.5 [.18]	8 [.31]	10.16 [.4]	2.38 [.094]	4450N*
ABLC-U	500lb	¼ - 28 UNF – 2B	5.3[.21]	8.6 [.34]	10.16 [.4]	2.38 [.094]	1000lb*

* with additional pins

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SPECIFICATION

PARAMETER	RANGE
Rated Capacity (lbf)	2.2 - 500 [9.8N-2224N]
Rated Output (RO) (mV/V)	2 nominal
No Load Offset (Zero Balance) (%)	±3 of RO
Excitation (VDC or VAC) (V)	5, 10
Input Impedance	1000 Ω nom.
Output Impedance	1000 Ω nom.
Non-Linearity (%)	±0.02 of R. (2.2-100lbf) ±0.06 of RO (200-500lbf)
Hysteresis (%)	±0.02 of RO (2.2-100lbf) ±0.06 of RO (200-500lbf)
Non-Repeatability (%)	±0.02 of RO
Temperature Shift Zero (%)	±0.005 of RO/°F (±0.009 of RO/°C)
Temperature Shift Span (%)	±0.005 of load/°F (±0.009 of load/°C)
Compensated Temperature (°F)	+5 to +160 (-15 to +71°C)
Operating Temperature (°F)	-60 to +200 (-51 to +93°C)
Material	Aluminum (2.2-100lbf), SS (200lbf-500lbf)
Calibration Test Excitation (V)	5 (recommended), 10 max.
Calibration (std.)	2 pt. tension

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