



VLC-100 / VLC-100S

SHEAR BEAM LOAD CELL

APPLICATIONS

Tank weighing
Hopper weighing
Platform scales



STANDARD CAPACITY

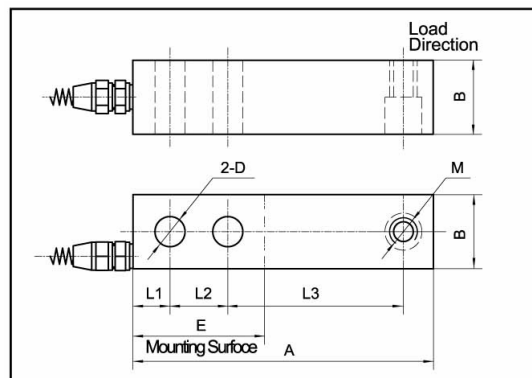
250, 500 lb
1k, 2k, 2.5k, 4k, 5k(S), 5k, 10klb
15k, 20klb

WIRING

RED	Input (+)
BLACK	Input (-)
GREEN	Output (+)
WHITE	Output (-)

SPECIFICATIONS

Rated output	3mV/V \pm 0.25%
Non-linearity	0.03% F.S.
Hysteresis	0.03% F.S. (VLC-100) 0.05% F.S. (VLC-100S)
Non-repeatability	0.02% F.S.
Creep (in 1 hr)	0.03% F.S.
Zero Balance	\pm 1%
Temp. effect span	15 PPM / °C
Temp. effect zero	26 PPM / °C
Operating Temp. range	-20°C ~ +60°C
Compensated Temp. range	-10°C ~ +40°C
Input resistance	385 \pm 15 Ω
Output resistance	350 \pm 3 Ω
Safe overload	150% F.S.
Ultimate overload	300% F.S.
Excitation voltage	10VDC/AC
Max. Excitation voltage	15VDC/AC
Insulation resistance	\geq 2000M Ω
Environmental protection	IP67
Material	Alloy tool steel (VLC-100) Stainless steel (VLC-100S)
Cable Length	20FT



DIMENSION

(inch)

Capacity	A	B	D	E	L1	L2	L3	M
250lb – 5klb (S)	5.12	1.25	0.53	2.25	0.62	1.00	3.00	½-20UNF-2B
5k – 10klb	6.75	1.50	0.78	3.00	0.75	1.50	3.75	¾-16UNF-2B
15k – 20klb	8.88	2.00	1.03	4.00	1.00	2.00	4.88	1-14UNF-2B