



Shear Beam Load Cell

VLC-100 / VLC-100S

APPLICATIONS

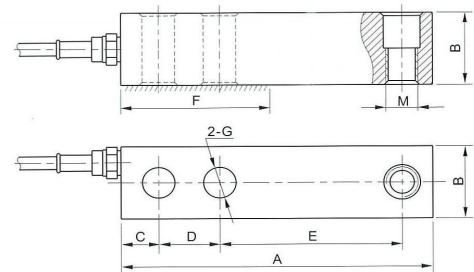
Tank Weighing
Hopper weighing
Platform scales

WIRING

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

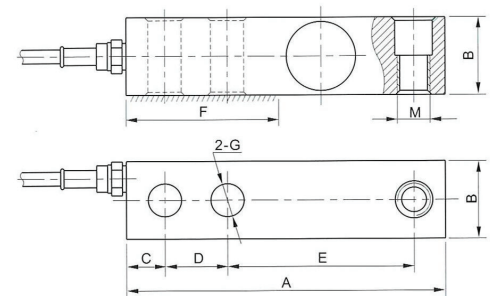
CAPACITY (lb)

250, 500



CAPACITY (klb)

1, 2, 2.5, 4, 5(se), 5, 10, 15, 20



SPECIFICATIONS	
Rated Output	2mV/V $\pm$ 0.2%
Non-Linearity	0.03% F.S.
Hysteresis	0.03% F.S. (VLC-A100) 0.05% F.S. (VLC-A100S)
Non-repeatability	0.02% F.S.
Creep (in 1 hr)	0.03% F.S.
Zero Balance	$\pm$ 1%
Temp. effect span	15 PPM/ $^{\circ}$ C
Temp. effect zero	26 PPM/ $^{\circ}$ C
Operating Temp. range	- 20 $^{\circ}$ C ~ + 60 $^{\circ}$ C
Compensated Temp. range	- 10 $^{\circ}$ C ~ + 40 $^{\circ}$ 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-A100) Stainless steel (VLC-A100S)
Cable length	20FT

DIMENSION

Capacity	Size (mm)							Thread inch
(klb)	A	B	C	D	E	F	G	M
0.25 - 5se	130.0	32.0	15.7	25.4	182.9	55.9	13.5	12.7- 20UNF-2B
5 - 10	171.4	38.1	19.1	38.1	95.3	76.2	20.0	19.1- 16 UNF-2B
15 - 20	222.5	50.8	25.4	50.8	123.7	102.1	26.9	25.4 - 14 UNF-2B

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