



Shear Beam Load Cell

# VLC-A100 / VLC-A100S

**APPLICATIONS**

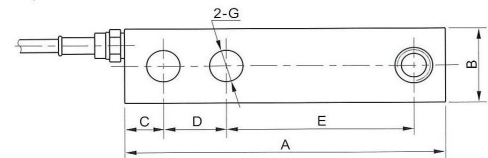
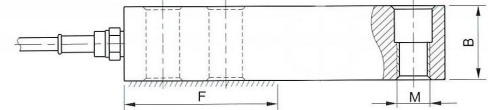
- Tank Weighing
- Hopper weighing
- Platform scales

**WIRING**

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

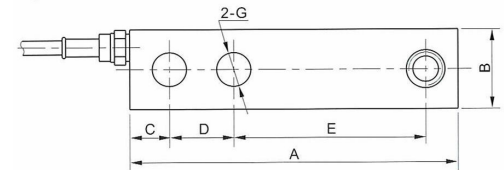
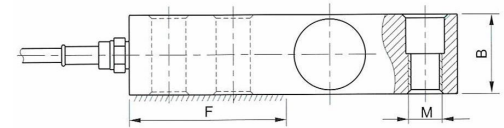
**CAPACITY (lb)**

250, 500



**CAPACITY (klb)**

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



**SPECIFICATIONS**

Rated Output	2mV/V ± 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	± 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 ± 15Ω / 410 ± 15Ω
Output resistance	350 ± 3Ω
Safe overload	150% F.S.
Ultimate overload	300% F.S.
Excitation voltage	10VDC/AC
Max. Excitation voltage	15VDC/AC
Insulation resistance	≥ 2000MΩ
Environmental protection	IP67
Material	Alloy tool steel (VLC-A100)
	Stainless steel (VLC-A100S)
Cable length	20FT

**DIMENSION**

Capacity (klb)	Size (inch)							Thread inch
	A	B	C	D	E	F	G	M
0.25 - 5se	5.12	1.26	0.62	1.00	3.00	2.20	0.53	½ - 20UNF-2B
5 - 10	6.75	1.50	0.75	1.50	3.75	3.00	0.79	¾ - 16 UNF-2B
15 - 20	8.76	2.00	1.00	2.00	4.87	4.02	1.06	1 - 14 UNF-2B

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