



“S” Type Load Cell

# VLC-A110 / VLC-A110S

**APPLICATIONS**

Mechanical Scale Conversion,  
 Tank, Bin and Hopper Weighing,  
 Truck Scale Conversion,  
 Tension/Compression Measurement.

**WIRING**

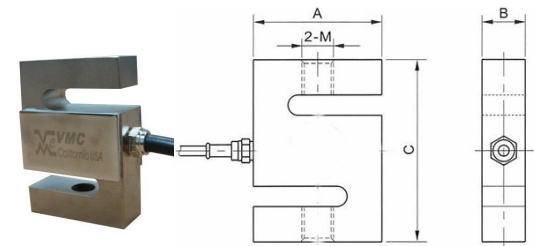
RED	Input (+)
BLACK	Input (-)
GREEN	Output (+)
WHITE	Output (-)

**CAPACITY (lb)**

50, 100, 150, 250, 500

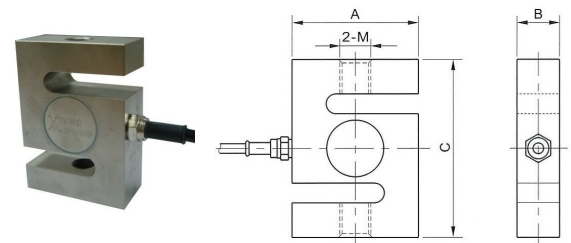
**SPECIFICATIONS**

Rated Output	2mV/V ± 0.2%
Non-Linearity	0.03% F.S.
Hysteresis	0.03% F.S. (VLC-A110)
	0.05% F.S. (VLC-A110S)
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-A110)
	Stainless steel (VLC-A110S)
Cable length	20FT



**CAPACITY (klb)**

1, 1.5, 2, 3, 5, 10, 15, 20



**DIMENSION**

Capacity (klb)	Size (inch)			Thread (inch)
	A	B	C	
50 - 150	2.00	0.50	2.50	¼ - 28
200 - 1.5K	2.00	0.75	3.00	½ - 20
2K - 4K	2.10	1.00	3.00	½ - 20
5K - 10K	3.00	1.00	4.25	¾ - 16
20K	5.00	2.00	7.00	1¼ - 12

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