



“S” Type Load Cell

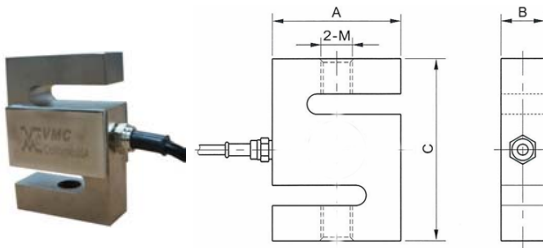
# VLC-A110 / VLC-A110S

**APPLICATIONS**

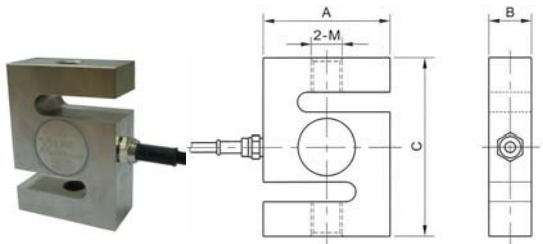
Mechanical scale conversion, Tank,  
Bin and hopper Weighing,  
Truck scale conversion,  
Tension/Compression measurement.

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

STANDARD CAPACITY
50, 100, 150, 250, 500lb



STANDARD CAPACITY
1K, 1.5K, 2K, 3K, 5K, 10K, 15K, 20Klb



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
Output resistance	350 ± 5Ω
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	DIMENSION			Thread
	lb	Size inch		
	A	B	C	inch
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
40K	5.50	2.40	7.40	1½ - 12



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