



## Shear Beam Load Cell

# VLC-B100 / VLC-B100S

**APPLICATIONS**

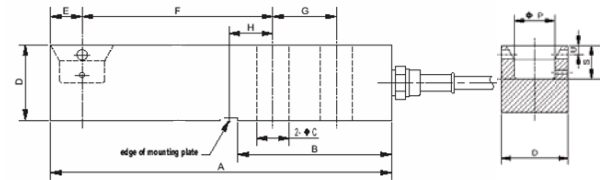
Tank Weighing  
Hopper weighing  
Platform scales

**WIRING**

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

**CAPACITY**

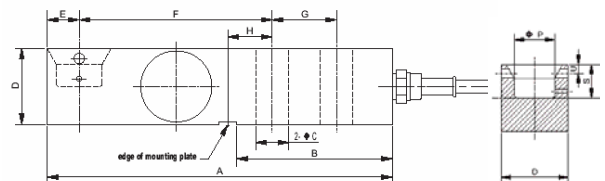
250lb, 500lb

**SPECIFICATIONS**

Rated Output	2mV/V $\pm$ 0.2%
Non-Linearity	0.03% F.S.
Hysteresis	0.03% F.S. (VLC-B100)
	0.05% F.S. (VLC-B100S)
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 $\Omega$
Output resistance	350 $\pm$ 3 $\Omega$
Safe overload	150% F.S.
Ultimate overload	300% F.S.
Excitation voltage	10VDC/AC
Max. Excitation voltage	15VDC/AC
Insulation resistance	$\geq$ 2000M $\Omega$
Environmental protection	IP67
Material	Alloy tool steel (VLC-B100)
	Stainless steel (VLC-B100S)
Cable length	20FT

**STANDARD CAPACITY**

1K, 2K, 2.5K, 4K, 5K

**DIMENSION**

Capacity	Size inch											
	lb	A	B	C	D	E	F	G	H	P	S	U
250 - 5K	5.37	2.42	0.51	1.18	0.50	3.00	1.00	0.68	7.09	0.59	0.16	



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