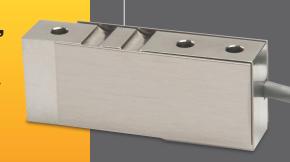


Bending Beam Load Cell

The VC Series is a compact, high performance, strain gage load cell constructed of stainless steel. The VC Series is designed to accurately measure compression loads ranging from 0-25 lbs. to 0-250 lbs.



The VC Series is a compact, high performance, bonded foil strain gage load cell constructed of stainless steel. The VC Series is designed to accurately measure compression loads in capacities ranging from 0-25 lbs. to 0-250 lbs. The dual-guided cantilever design yields exceptional performance in a very compact package. This load cell is Harsh Environment Sealed (IP67-Limited Immersion) by virtue of proprietary, multi-redundant barriers uniquely integrated to protect all internal components, including conformal coatings and potting compounds to protect the strain gage area and the cable entry, both high failure mode areas in competitive versions of this load cell. The integral cable is a durable polyurethane-jacketed cable, featuring a braided, tinned-copper shield for mechanical protection and to minimize the effects of RFI and EMI. Versatile companion loading accessories are available for convenient weighing of small bins and hoppers, as well as for compression and tensile measurements. The attributes of the VC Series make it an ideal choice for low force measurements, material handling, packaging, bagging scale applications and O.E.M. weighing situations where an environmentally protected, versatile, high performance load cell solution is needed.



For more information call 1-888-545-8988

FEATURES

- 25 to 250 lbs. Capacities
- Compact Size

APPLICATIONS

Compression Measurements

 Packaging Machinery Belt and Bagging Scales

Force/Tensile Testing

Checkweighing Systems

OEM and VAR Solutions

- 0.03% Accuracy Class
- Stainless Steel Element
- IP67 Environmental Sealing
- Low Cost Solution
- Loading Accessories Available
- Two Year Warranty

SENTRAN, LLC 4355 LOWELL STREET, ONTARIO, CA 91761, U.S.A. **888-545-8988** T: 909-605-1544 FAX: 909-605-6305 www.sentranllc.com

VC Series Specifications

Innovative Measurement Solutions



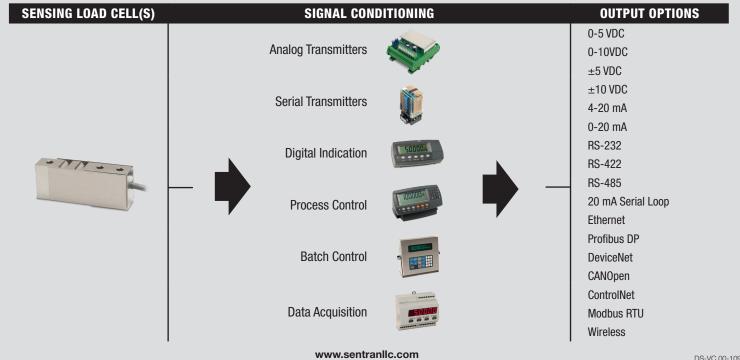
PERFORMANCE			
Rated capacities (lbs.)	25, 50, 100, 150, 250		
Rated Output (FSO)	3 mV/V		
Output Tolerance	±0.10 % R.O.		
Combined Error Band	≤ 0.03 % FS0		
Non-Linearity	≤ 0.03 % FS0		
Hysteresis	≤ 0.02 % FS0		
Non-Repeatability	≤ 0.01 % FS0		
Zero Balance	± 1.0 % FS0		
Creep (20 Minutes)	0.03 % of Load		

MECHANICAL				
Material	17-4ph Stainless Steel			
Finish	Natural			
Safe overload	Compression 150 % FS0 Side Load 30% FS0			
Ultimate overload	Compression 300% FS0 Side Load: 50% FS0			
Deflection	See Dimensions Table			
Weight	See Dimensions Table			
Mounting Bolt Torque	Torque Table			

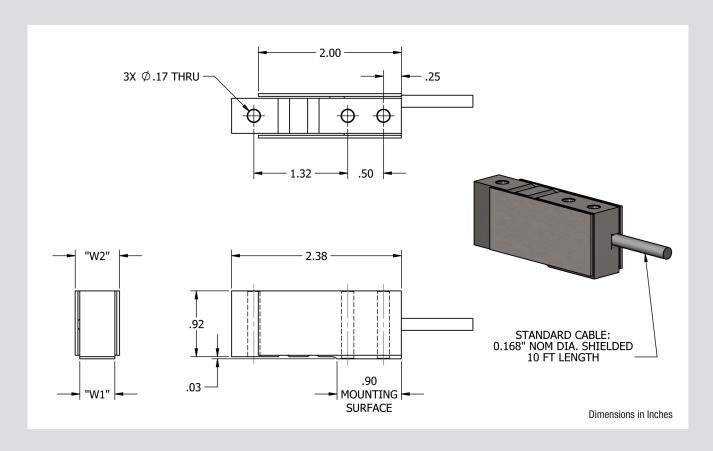
ELECTRICAL				
Input Impedance	420 ± 50 ohms			
Output Impedance	350 ± 3 ohms			
Insulation Resistance	>5000 Megohms			
Excitation Voltage	10 V AC/DC (15 V maximum)			
Cable Color Code	+ Excitation (red)- Excitation (black)+ Signal (green)- Signal (white)Shield (natural)			
Cable Type	4-conductor, 26 AWG, Polyurethane jacket, Tinned Copper Braid, Diameter: 0.168"			
Cable Length	See Dimensions Table			
Cable Termination	Finished Conductors			
Cable Seal	Ероху			

ENVIRONMENTAL				
Temperature, Operating	0 to +150 °F (-18 to +65°C)			
Temperature, Compensated	14 to +104 °F (-10 to +40°C)			
Temperature, Storage	-40 to +170 °F (-40 to +77°C)			
Temperature Effects	Zero < 0.015% FS0/°F < 0.0026% FS0/°C			
Temperature Effects	Output < 0.0008% of Rdg./°F < 0.0014% Rdg./°C			
Sealing	IP67; Multi-redundant; Limited Immersion Tolerance			

VC Typical System Configuration

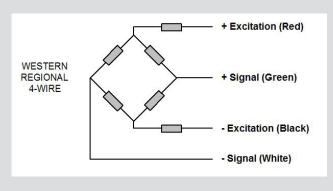






Capacity (LBS)	W1	W2	Deflect	Weight			
		DIMENSIONS (INCHES)					
25, 50	0.50	0.75	0.008"	0.5 LBS			
100	0.50	0.75	0.010"	0.5 LBS			
150	0.50	0.75	0.012"	0.5 LBS			

VC Wiring Diagram



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Legal Disclaimer



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