VPG® Celtron® SQB Alloy Steel, Single-ended Beam Load Cell

As of: Thursday, August 27, 2026



Standard Features

This is a single-ended beam designed for low-profile scales and platform, hopper and tank weighing applications. NTEP Certified units are available in capacities of 1,000 to 10,000 pounds, and non-NTEP Certified units are available in 500-, 15,000- and 20,000-poundb capacities. All SQB load cells are complete with 20 feet of cable.

Approvals

WARNING: Cancer and Reproductive Harm California Proposition 65

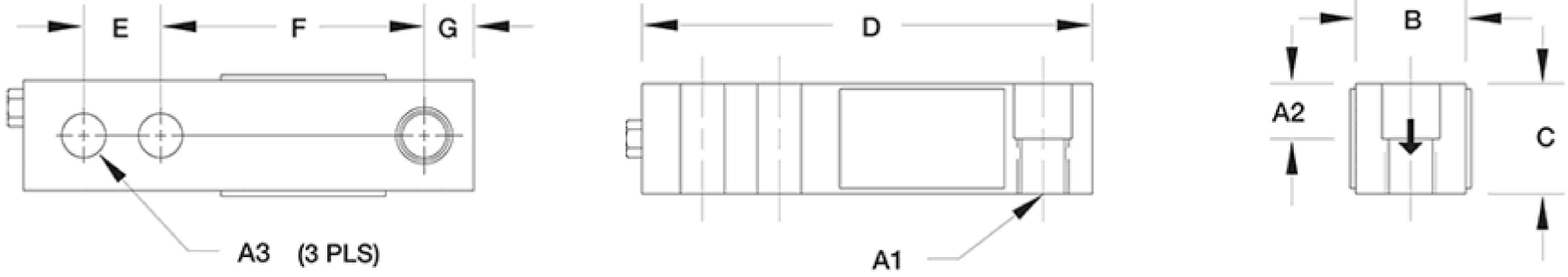
SQB Load Cell Specifications

Full Scale Output:
3.0 mV/V
Output Resistance:
350 (± 3) ohm
Input Resistance:
385 (± 5) ohm
Material/Finish:
High-alloy steel, nickel plated
Temperature:
Compensated: 14 to 104 °F (-10 to 40 °C)
Operating: 0 to 150 °F (-18 to 65 °C)
Seal Type:
Environmentally sealed, IP67

Safe Overload:
150% full scale
Safe Sideload:
100% full scale
Rated Excitation:
5 to 15 VDC
Combined Error:
0.02% full scale
Insulation Resistance:
5,000 megohm
Deflection at Capacity:
500 to 1,000 lb: 0.013 in
2,000 to 3,000 lb: 0.015 in
4,000 to 5,000 lb: 0.025 in
10,000 lb: 0.035 in

Cable Length:
20 ft
Cable Diameter:
0.200 in
Polyurethane jacket
Cable Color Code:
Red +Excitation
Black -Excitation
Green +Signal
White -Signal
Warranty:
One-year limited
Approvals:
NTEP
cFMus

SQB Load Cell Dimensions



RATED CAPACITY	A4	A2	A3	A1	B	C	D	E	F	G
LB/IN										
500	0.53 dia	0.50	0.53	1/2-20 UNF	1.25	1.00	5.12	1.00	3.00	0.50
1,000 to 5,000 SE	0.53 dia	0.62	0.53	1/2-20 UNF	1.25	1.25	5.12	1.00	3.00	0.50
5,000 LE to 10,000	0.78 dia	0.75	0.78	3/4-16 UNF	1.50	1.50	6.75	1.50	3.75	0.75
15,000 to 20,000	1.03 dia	1.00	1.03	1-14 UNS	2.00	2.00	8.88	2.00	4.88	1.00

NTEP Certified

PART #	DESCRIPTION	LIST PRICE
30106	1,000 lb 20ft Celtron 3mV/V 350 OHM WW NTEP III 5 M IP67	List Price: $215.00
30109	2,000 lb 20ft Celtron 3mV/V 350 OHM WW NTEP III 5 M IP67	List Price: $215.00
30112	2,500 lb 20ft 3mV/V 350 OHM WW NTEP III 5 M IP67	List Price: $215.00
30113	3,000 lb 20ft Celtron 3mV/V 350 OHM WW NTEP III 5 M IP67	List Price: $215.00
30270	4,000 lb 20ft Celtron 3MV/V 350 OHM WW NTEP III 5 M IP67	List Price: $215.00
30114	5,000 lb 20ft Celtron 3mV/V 350 OHM WW NTEP III 5 M SE IP67	List Price: $215.00
30115	5,000 lb 20ft Celtron 3mV/V 350 OHM WW NTEP III 5 M LE IP67	List Price: $365.00
30117	10,000 lb 20ft Celtron 3mV/V 350 OHM WW NTEP III 5 M IP67	List Price: $365.00

Non-NTEP Certified

PART #	DESCRIPTION	LIST PRICE
30101	500 lb 20ft Celtron 3mV/V 350 OHM WW IP67	List Price: $215.00
30118	15,000 lb 20ft Celtron 3mV/V 350 OHM WW IP67	List Price: $475.00
30121	20,000 lb 20ft Celtron 3mV/V 350 OHM WW IP67	List Price: $495.00

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