

# Single-Ended Beam

## Applications

- Platform and weighbridge scales
- Hopper and tank weighing
- Floor and barrel scales

## Features

- High side load tolerance
- Easy installation
- Electroless nickel plated high alloy tool steel or stainless steel construction
- NTEP Class III 5,000M for SQB, SQB-F and SQB-SS available from 1k to 10k lb

## Description

- SQB is a single-ended shear beam load cell designed for multiple cell applications such as low profile platform or small tank scales when used with proper mounting accessories. It is insensitive to side loading and capable of reversed loading.
- SQB and SQB-F are constructed of alloy steel and fully potted with special chemical compounds to IP65 to protect the cell from water and moisture damage.
- SQB Interchangeable products:
  - Rice Lake Weighing Systems RL35023
  - Sensortronics 65023
  - Artech 30310

## Specifications

Standard Capacity	500, 1K, 2K, 2.5K, 3K, 4K, 5KSE, 5K, 10K, 15K, 20K lb * 250, 500, 1000, 1500, 2000, 2500, 5000 kg *		
Recommended Excitation	10 V AC/DC	Compensated Temp. Range	-10°C to +40°C
Maximum Excitation	15 V AC/DC	Operating Temp. Range	-20°C to +60°C
Output at Rated Load	3 mV/V±0.25%	Zero Balance	±1%
Combined Error	0.025% (SS:0.03)	Input Resistance	385±5Ω
Non Repeatability	0.02%	Output Resistance	350±3Ω
Creep (20 minutes)	0.03%	Insulation Resistance(50VDC)	>5000 MΩ
Zero Return (20 minutes)	0.03%	Deflection at Rated Load	<1mm
Temp. Effect/10°C on Span	0.015%	Safe Overload	150%
Temp. Effect/10°C on Zero	0.026%	Ultimate Overload	300%
*: 500 lb & 250kg constructed by bending beam. SE: Small Envelope			

All Specifications Listed Subject To Change Without Notice