

# Double-Ended Shear Beam

## Applications

- Hopper, silo and vessel weighing
- Tank scales

## Features

- Double-ended center-loaded shear beam design
- Rationalized outputs
- Free of horizontal movement, insensitive to side load
- Electroless nickel plated high alloy tool steel or stainless steel construction

## Description

- The double-ended mounting provides good restraint to possible movement of the tanks and, in many cases, eliminates the need for check rods. The Shear Beam design gives excellent performance for high capacity loading.
- The output is rationalized to facilitate multiple-cell application.
- DSR is constructed of high alloy tool steel or stainless steel and are potted to IP65 standards that create an excellent barrier against moisture ingress.
- DSR Interchangeable products:
  - Rice Lake Weighing Systems RL75016
  - Sensortronics 65016
  - Artech 70510

## Specifications

Standard Capacity	1K, 1.5K, 2K, 2.5K, 3K, 5K, 10K, 15K, 20K, 25K, 50K, 75K lb		
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	0.03%(SS:0.07%)	Input Resistance	770± 10Ω
Non Repeatability	0.02%	Output Resistance	700± 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%

**All Specifications Listed Subject To Change Without Notice**