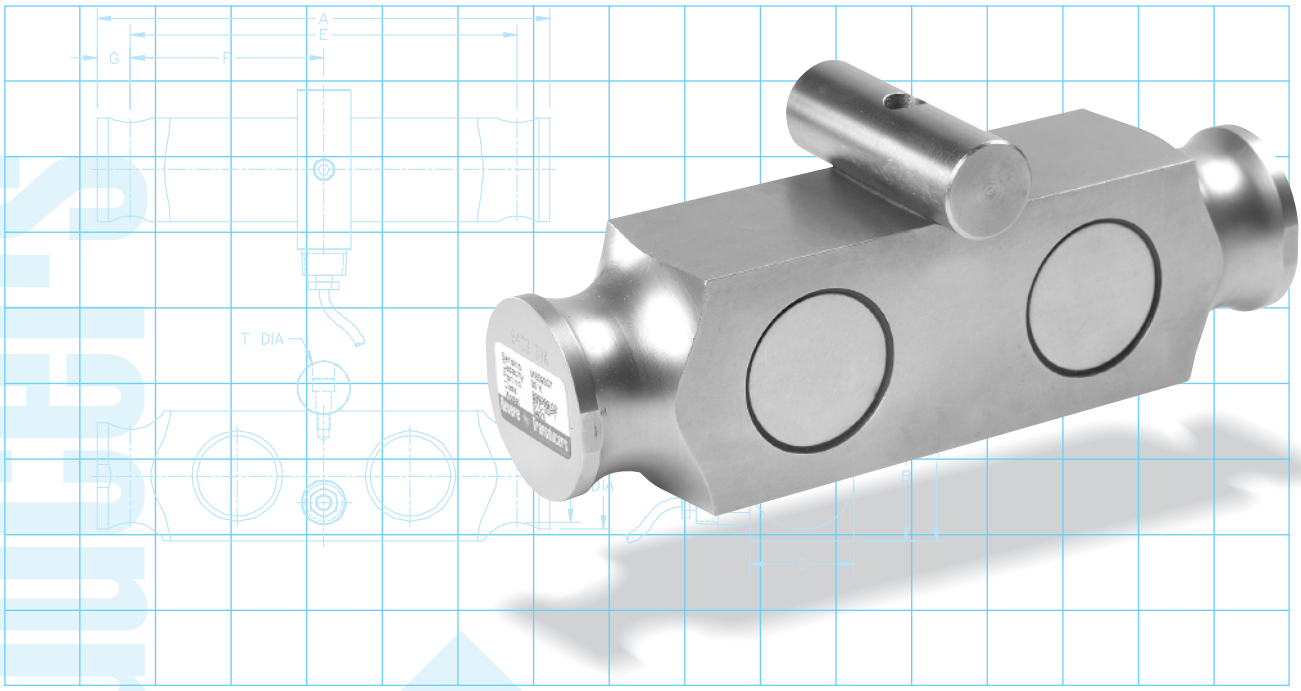
9423 DOUBLE ENDED BEAM LOAD CELL



FEATURES:

- Capacities: 10 to 75 K lbs
- Environmental protection: IP67 (DIN 40.050)
- Material: Stainless Steel

APPLICATIONS:

- Weighbridges
- Silos, Tanks and Hoppers

DESCRIPTION:

The 9423 is a Double Ended Beam type load cell.

A reliable sealing and mechanical protection of the strain gauge area is ensured by the use of potting compound with a metal cover.

APPROVALS:

Class IIIL 10000d

Factory Mutual

Revere Transducers
an SI Technologies company

9423: SPECIFICATIONS

Parameter	Symbol	Unit of Measure	Specification	
			Imperial	
Capacities	E_{max}	lb	10K, 15K	20K, 25K 30K, 40K, 50K, 60K, 75K
Accuracy Class			D3	B10
Accuracy Class According to			Non-NTEP	NTEP Class IIIL
Potentially Explosive Atmospheres options			Factory Mutual	
Maximum number of Verification Intervals	n_{lc}			10000d
Minimum Verification Interval	v_{min}			0.60, 0.75, 0.90, 1.20, 1.50, 1.80, 2.25
Combined Error[1]		±%S	0.03	0.02
Creep error (20 minutes)		±%S	0.03	
Temperature Effect on Zero	TC_O	±%FS/5°C (/°F)	0.0135 (0.0015)	0.0090 (0.0010)
Temperature Effect on Output	TC_S	±%S/5°C (/°F)	0.0072 (0.0008)	
Rated Output	FS	mV/V	3 ± 0.003	
Compensated Temperature Range	T_{cps}	°C (°F)	-10 to +40 (+14 to +104)	
Operating Temperature Range	T_{opr}	°C (°F)	-53 to +93 (-65 to +200)	
Environmental Protection			IP67	
Cable Length		m (ft)	9 (30)	
Cable Type			4 Wire Shielded, shield is not connected to load cell body	
Zero Balance		±%FS	1.0	
Safe Load Limit	E_{lim}	$\%E_{max}$	150	
Ultimate Load	E_{ult}	$\%E_{max}$	300	
Safe Side Load Limit		$\%E_{max}$	100	
Excitation Voltage		Volts AC or DC	10 Recommended, 15 Maximum	
Input Resistance		Ohms	700.0 ± 7.0	
Output Resistance		Ohms	700.0 ± 7.0	
Insulation Resistance at 50 VDC		Mega Ohms	>5000	
Element Material		ASTM	Stainless Steel	

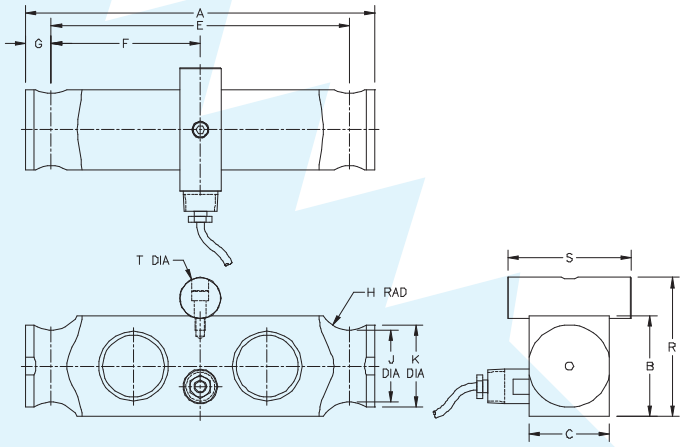
Notes:
- We continually improve our products and therefore specifications are subject to change without notice.
- The accuracy may be affected if 4-wire load cell cables are shortened.

[1] Includes the effects of Non-Linearity and Hysteresis.

Wiring color code:

Excitation +	Red
Excitation -	Black
Output +	Green
Output -	White
Shield	Transparent

	Dimensions in inches	
Capacity	10, 15, 20, 25K	30, 40, 50, 60, 75K
A	8.00	8.50
B	1.94	2.45
C	1.44	1.95
E	7.12	7.25
F	3.56	3.62
G	0.44	0.63
H Rad	0.38	0.75
J	0.80	1.75
K	1.00	2.00
R	2.57	3.38
S	1.94	3.00
T	0.75	1.00



Attention: All dimension tolerances according to ISO 2768m, unless otherwise specified.

Mounting:
Correct mounting of the load cells is essential to ensure optimum accuracy and performance. Further information is available on request.

No mounts available for 9423.

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