Model 614

S-Type Load Cells

NEW!

Features

- Capacities: 50 kg - 300 kg (110 lbs - 661 lbs)
- Anodized aluminum construction
- Tension or compression applications
- Suitable for hanging scales
- Ideal for conversion of mechanical to electronic scales
- IP67 Environmental Protection

Tedea-Huntleigh's competitively priced model 614 S-type load cells do not compromise performance or accuracy. Their low cost, however, makes electronic weighing practical for many companies which formerly could find no economic justification for it.

Tedea-Huntleigh's model 614 S-type load cells are unique force measuring transducers. They combine high accuracy with long-term stability, meeting and exceeding the most stringent requirements of contemporary electronic weighing.

The model 614 is anodized aluminum and is protected to IP67 requirements. It provides a low cost solution where less severe conditions are encountered.

The 600 series of S-type load cells are ideal for converting mechanical weighbridges and platform scales into electronic scales and may also be used in platform scales, hopper weighing, force measurement and many other industrial applications. They should be considered for any tension application.

VISHAY Transducers

EXCELLENCE IN LOAD CELLS

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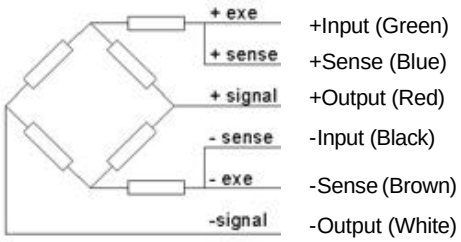
Model 614

S-Type Load Cells

GRADE	E	F	G*	UNITS
Rated Capacity	50, 100, 200, 300			kg
Rated Output	2.0			mV/V
Rated Output Tolerance*	0.02			± mV/V
Zero Balance	0.02			± mV/V
Total Error Per OIML R60	0.05	0.03	0.02	±% of Rated Output
Zero Return (30 min.)	0.05	0.03	0.017	±% of load
Temperature Effect: On Zero	0.01	0.006	0.004	±% of Rated Output / °C
Temperature Effect: On Output	0.003	0.0014	0.0012	±% of Load / °C
Temperature Effect: Compensated	-10 to +40			°C
Temperature Effect: Safe	-30 to +70			°C
Maximum Safe Static Overload (central loading)	150			% of Rated Capacity
Ultimate Static Overload (central loading)	300			% of Rated Capacity
Excitation: Recommended	10			VAC or VDC rms
Excitation: Maximum	15			VAC or VDC rms
Input Impedance	415 ± 20			Ohms
Output Impedance	350 ± 3			Ohms
Insulation Resistance	>2000			Mega Ohms
Cable Length	3			m
Weight (nominal)	0.4			kg
Cable Type	3 meters, 6 conductors, 26 AWG, braid shield, PVC jacket			
Color Code	+exc-grn, +sig-red, +sen-blu -exc-brn, -sig-wht, -sen-blk			
Construction	Anodized aluminum			
Compensation Circuit Type	Balanced			
Environmental Protection	IP67			
Outline Dimension Drawings	284.000.00-3			

* Rated output tolerance ±0.02 mV/V optional

Balanced Compensation



+Input (Green)
+Sense (Blue)
+Output (Red)
-Input (Black)
-Sense (Brown)
-Output (White)

Outline Dimensions All Capacities (in mm)