

# Model 615

## S-Type Load Cells

**NEW!**



### Features

- Capacities: 50 kg - 1000 kg (110 lbs - 2204 lbs)
- Nickel plated alloy steel 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 615 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 615 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. This model will withstand wash down and high humidity conditions without impairment of performance.

The model 615 in nickel plated steel is protected to IP67 requirements. It provides an affordable 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.



EXCELLENCE IN LOAD CELLS

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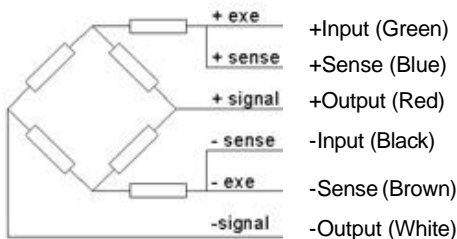
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# Model 615

# S-Type Load Cells

| GRADE  | E  | F      | G      | UNITS                   |
|--|--|--------|--------|-------------------------|
| Rated Capacity                                 | 50, 100, 150, 200, 300, 500, 750, 1000                       |        |        | kg                      |
| Rated Output                                   | 2.0  |        |        | mV/V                    |
| Rated Output Tolerance                         | 0.002  |        |        | ± 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                                | 400 ± 20   |        |        | Ohms                    |
| Output Impedance                               | 350 ± 3  |        |        | Ohms                    |
| Insulation Resistance                          | >2000  |        |        | Mega Ohms               |
| Cable Length                                   | 3  |        |        | m                       |
| Weight (nominal)                               | 0.7  |        |        | kg                      |
| Cable Type                                     | 3 meters, 6 conductors, 26 AWG, braid shield, PVC jacket     |        |        |                         |
| Color Code                                     | +exc-grn, +sig-red, +sen-blu<br>-exc-brw, -sig-wht, -sen-blk |        |        |                         |
| Construction                                   | Electroless nickel plated alloy steel                        |        |        |                         |
| Compensation Circuit Type                      | Balanced   |        |        |                         |
| Environmental Protection                       | IP 67  |        |        |                         |
| Outline Dimension Drawings                     | 168.000.00-3   |        |        |                         |

## Balanced Compensation



## Outline Dimensions All Capacities (in mm)

