

Tension Compression Load Cell



Model 619 is a low cost tension-compression load cell made from nickel plated alloy steel and is suitable for use in a wide range of weighing, process weighing, force measurement and industrial process control applications.

Protected to meet IP67 requirements, the construction of the 619 load cell allows its use in most industrial process applications. For IP68 requirements, select the fully welded

FEATURES

- Capacities 1500 - 5000Kg
- Nickel plated alloy steel
- IP67 protection
- For use in tension and compression
- 6 wire (sense) circuit
- Output standardized to $\pm 0.1\%$

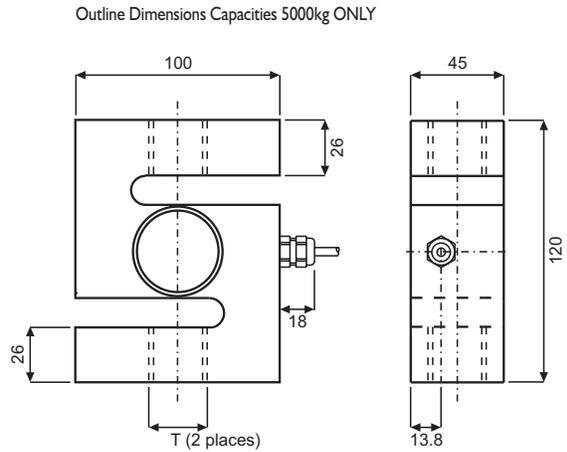
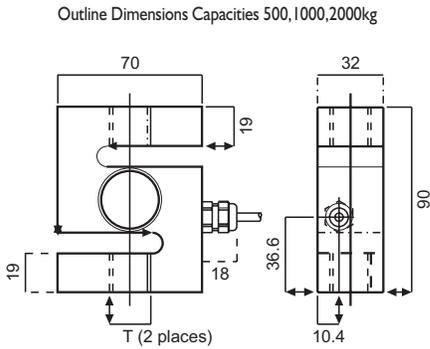
stainless steel model 620, which shares the same dimensions as model 619.

The additional sense wires compensate for changes in lead resistance due to temperature change and/or cable extension. Complete compensation of changes in lead resistance is achieved by feeding this voltage into appropriate electronics.

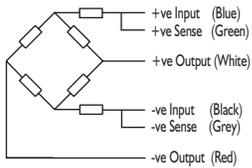
SPECIFICATIONS				
GRADE	E	F	G	UNITS
Rated Capacities	1500, 2000, 3000, 5000			kg
Rated Output	2.0 \pm 0.1%			mV/V
Total Error	0.05	0.03	0.02	\pm % of rated output
Zero Return after 30 mins	0.05	0.03	0.017	\pm % of applied load
Temperature Effect: On output On zero	0.003 0.01	0.0014 0.006	0.0012 0.004	\pm % of applied load/ $^{\circ}$ C \pm % of rated output/ $^{\circ}$ C
Zero Balance	5	3	2	\pm % rated output
Temperature Range: Operating Compensated	- 30 to + 70 - 10 to + 40			$^{\circ}$ C
Safe Overload	150			% of rated capacity
Ultimate Overload	300			% of rated capacity
Excitation: Recommended Maximum	10 15			Volts AC or DC
Input Impedance	380 \pm 20			Ohms
Output Impedance	350 \pm 3			Ohms
Insulation Impedance	> 2000			MegaOhms
Deflection at Rated Capacity	< 0.4			mm
Weight	1500 and 2000 kg: 0.9 3000 and 5000kg: 1.9			kg
Construction	Stainless Steel			
Environmental Protection	IP67			
Cable	5m, 6 conductors, 26AWG, braid shield, PVC jacket			

Tension Compression Load Cell

DIMENSIONS in millimeters



Wiring Schematic Diagram



Thread Type 'T' By Capacity

Capacity	Thread Type
500 kg	M12 x 1.75
1000kg	M16 x 2.0
2000kg	M16 x 2.0
5000kg	M24 x 2.0

All Dimensions in mm

VISHAY TRANSDUCERS (VT) - SALES OFFICES



Contact Info
 E-mail: info@liden-weighing.se
 Website: www.liden-weighing.com