

Model 620 Tedea-Huntleigh

# S-Type Stainless Steel Load Cell

#### FEATURES

- Capacity range: 500-5000 kg
- Stainless steel construction
- Sealed by welding to IP68
- S-type design for use in tension and compression
- OIML approved to 3000d (500–5000 kg)
- NTEP approved to 5000d (500-5000 kg)
- · Choice of mounting threads metric or unified systems
- 6-Wire cable (sense circuit)
- Optional
- Ex ia IIC T6-ATEX hazardous area approval
- Class I, II, III Division 1 FM hazardous area approval

#### APPLICATIONS

- Hopper (tank Weighing)
- Hybrid scales
- Belt weighing
- Lever arm conversions
- Material testing machines
- Vibrations filling equipment
- Dynamometers

#### DESCRIPTION

The Model 620 is a stainless steel S-type load cell. Its welded sealing combined with high accuracy, make this load cell ideally suited for a wide range of applications of process weighing and force measurements.



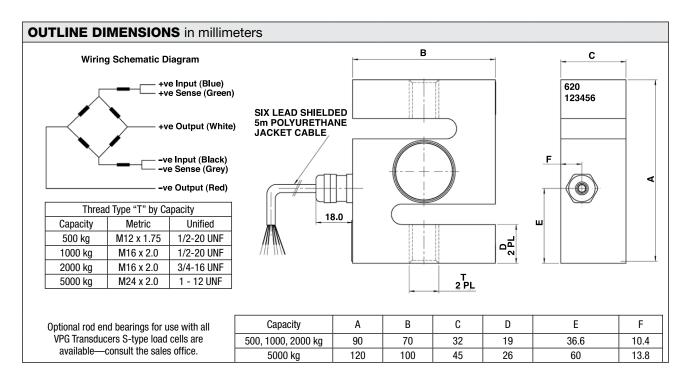


Approvals include OIML C3 (3000d); NTEP 3000d single and NTEP 5000d multiple.

Also available are versions approved for hazardous areas—ATEX II 1 GD Ex ia T6 for Europe and FM I, II, III Division 1 for the USA.

The six-wire cable includes two sense wires that compensate for changes in lead resistance due to temperature changes and cable extension.

The Model 620 offers a choice of bolt threads in metric or unified systems; see table below.





### S-Type Stainless Steel Load Cell

SPECIFICATIONS					
PARAMETER	VALUE				UNIT
Rated capacity-R.C. (Emax)	500, 1000, 2000, 5000				kg
NTEP/OIML	NTEP	Non-Approved	C2/50	C3/50	
Maximum no. of intervals (n)	Class III	1000	2000*	OIML 3000	
Y = E <sub>max</sub> /V <sub>min</sub>	5000	2000	4000	6000	
Rated output-R.O.	2.0				mV/V
Rated output tolerance	0.002				±mV/V
Zero balance	0.04	0.06	0.04	0.04	±mV/V
Total error (per OIML R60)	0.0200	0.0500	0.0300	0.0200	±% of R.O.
Zero return, 30 min.	0.010	0.0500	0.0250	0.0170	±% of applied load
Temperature effect on zero	0.00112 (0.00062)	0.0070	0.0035	0.0023	±% of R.O./°C (/°F)
Temperature effect on output	0.0018 (0.0010)	0.0400	0.0014	0.0012	±% of applied load/°C (/°F)
Temperature range, compensated	-10 to +40				°C
Temperature range, safe	-30 to +90				°C
Maximum safe static overload	150				% of R.C.
Excitation, recommended	10				VDC or VAC RMS
Excitation, maximum	15				VDC or VAC RMS
Input impedance	400±20				Ω
Output impedance	350±3				Ω
Insulation resistance	>1000	>2000	>2000	>2000	ΜΩ
Construction	Stainless steel				
Environmental protection	IP68				

All specifications subject to change without notice.



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