

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
- IECEx approval available

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.













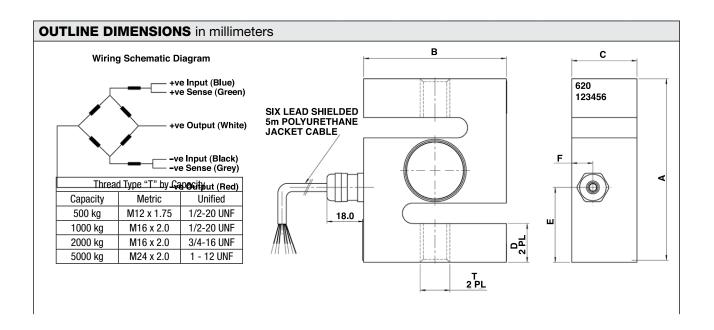


Approvals include OIML C3 (3000d); NTEP 3000d single and NTEP 5000d multiple.

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.



Tedea-Huntleigh



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Optional rod end bearings for use with all VPG Transducers S-type load cells are available—consult the sales office.

Capacity	А	В	С	D	E	F
500, 1000, 2000 kg	90	70	32	19	36.6	10.4
5000 kg	120	100	45	26	60	13.8

SPECIFICATIONS									
PARAMETER		VAL	UNIT						
Rated capacity—R.C. (E _{max})		500, 1000, 2	kg						
NTEP/OIML	NTEP	Non-Approved	C2/50	C3/50					
Maximum no. of intervals (n)	Class III	1000	2000*	OIML 3000					
Y = E _{max} /V _{min}	5000	2000	4000	6000					
Rated output—R.O.		2.	mV/V						
Rated output tolerance		0.0	±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	°C						
Temperature range, safe	-30 to +90				°C				
Maximum safe static overload		15	% of R.C.						
Excitation, recommended	10				VDC or VAC RMS				
Excitation, maximum		15	VDC or VAC RMS						
Input impedance		400=	Ω						
Output impedance		350	Ω						
Insulation resistance	>1000	>2000	>2000	>2000	ΜΩ				
Construction		Stainles							
Environmental protection		IP6							

All specifications subject to change without notice.



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