

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
 - FM Approval, ATEX, IECEx and UKCA certifications available.

APPLICATIONS

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

DESCRIPTION

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.











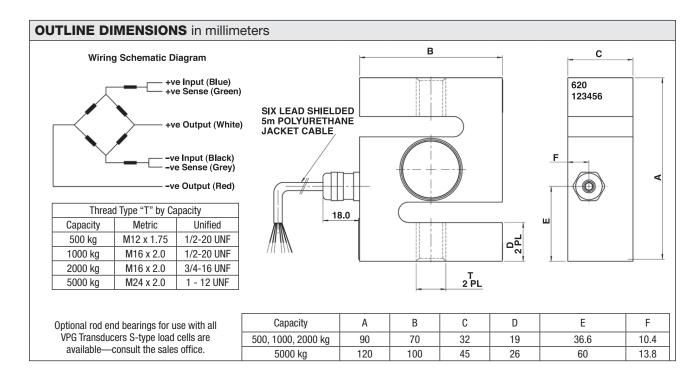




Approvals include OIML C3 (3000d); NTEP 3000d single and NTEP 5000d multiple.

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

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





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SPECIFICATIONS					
PARAMETER	VALUE				UNIT
Rated capacity—R.C. (E _{max})	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 _{max} /V _{min}	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.

CERTIFICATION MARKINGS

ATEX, IECEx & UKEX Markings (For Zone 0,1,2 and Zone 20,21,22)

II 1 GD Ex ia IIC T4 Ga Ex ia IIIC T135°C Da Ta = -20°C to +40/70°C

ATEX/UKEX Markings (for Zone 2 and Zone 22 only)

II 3GD
Ex ec IIC T6 Gc
Ex tc IIIC T85°C Dc
Ta = -20 to +40°C
or
II 3GD
Ex ec IIC T4 Gc
Ex tc IIIC T135°C Dc
Ta = -20 to +70°C

FM Approval Markings (USA and Canada)

IS Class I, II, III, Division 1, Groups A, B, C, D, E, F and G; T4 Ta = -25°C to +40°C