Tedea load cell **620**

available with certification • ATEX • OIML • NTEP • FM

General information

PWS34920261125

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 uniied systems



Suggested related products

A highly performing weighing system must be accurate, perfectly calibrated and well maintained. In order to improve the load cell performance and to optimize its functioning, you may need the following products:

Weight Transmitter DAT 1400

Weight Indicator MCT 1302

Tester 1008 TESTER 1008

Junction Box CGS4-C

All indicated data may be changed without notice.
All the measures indicated are expressed in millimeters (mm).

PAVONE SISTEMI S.R.L.
Via Tiberio Bianchi 11/13/15, 20863 Concorezzo (MB), Milan, Italy
T (+39) 039 9162656 **F** (+39) 039 9162675 **W** pavonesistemi.com
Industrial Electronic Weighing Systems since 1963

Technical specifications

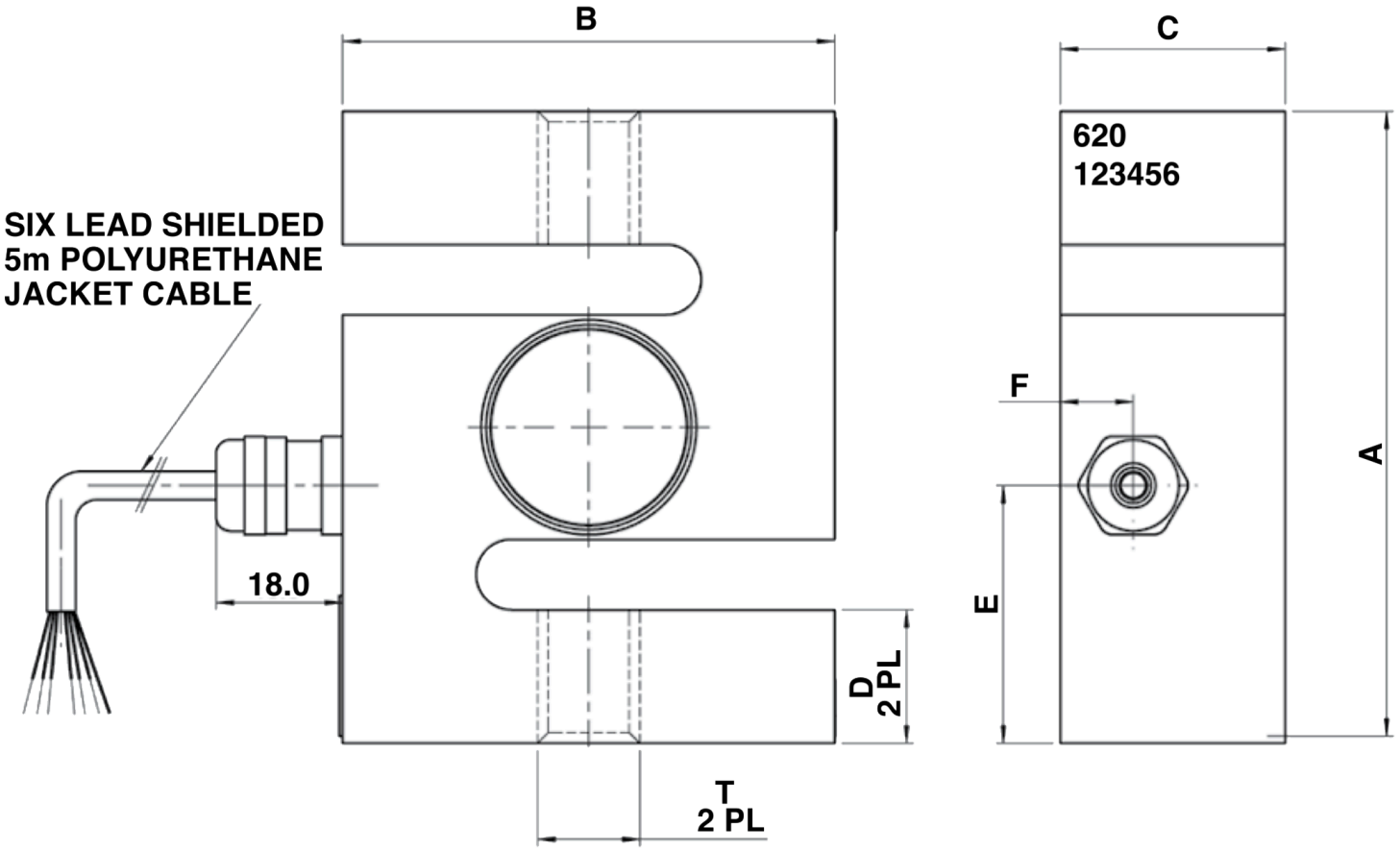
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Rated Load (RL):	500, 1000, 2000, 5000
Ultimate overload:	300 % RL
Material:	Stainless steel
Degree of protection:	IP68
Compensated Temperature:	-10 ÷ +40°C
Temperature range:	-30 ÷ +90°C
Temperature effect on zero balance:	±0.00112 % (NTEP); ±0.0070 % (Non Approved); ±0.0035 % (C2/50); ±0.0023 % (C3/50); RO/°C
Temperature effect on output:	±0.0018 % (NTEP); ±0.0400 % (Non Approved); ±0.0014 % (C2/50); ±0.0012 % (C3/50); RO/°C
Rated output RO:	2 mV/V
Zero balance:	±0.20 mV/V
Insulation resistance:	> 2000 MOhm
Input impedance:	400±20 Ohm
Maximum input voltage:	15 Vdc or Vac rms
Nominal input voltage:	10 Vdc or Vac rms
Output impedance:	350±3 Ohm

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Wiring Schematic Diagram	
+VE INPUT	Blue
+VE SENSE	Green
+VE OUTPUT	White
-INPUT	Black
-VE SENSE	Grey
-OUTPUT	Red

Thread Type "T" by Capacity		
CAPACITY	METRIC	UNIFIED
500 kg	M12 x 1.75	1/2-20 UNF
1000 kg	M16 x 2.0	1/2-20 UNF
2000 kg	M16 x 2.0	3/4-16 UNF
5000 kg	M24 x 2.0	1-12 UNF

CAPACITY (Kg)	A	B	C	D	E	F
500, 1000, 2000	90	70	32	19	36.6	10.4
5000	120	100	45	26	60	13.8

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