

General information

PWS34920260210

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



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).

Technical specifications

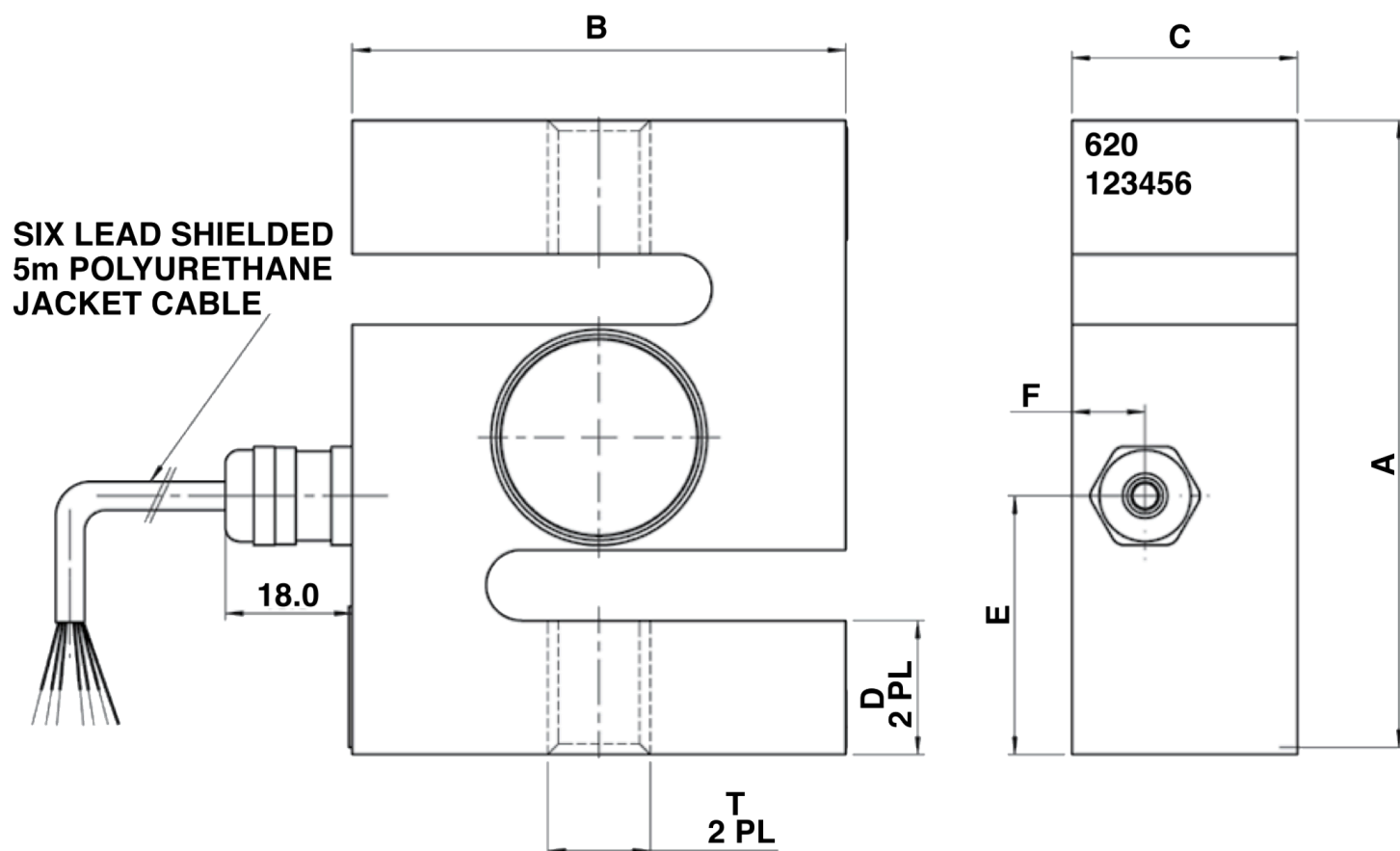
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| | |
|--|--|
| Rated Load (RL): | 500, 1000, 2000, 5000 |
| Ultimate overload: | 300 % RL |
| Material: | Stainless steel |
| Degree of protection: | IP68 |
| Compensated Temperature: | -10 ÷ +40°C |
| Temperature range: | -30 ÷ +90°C |
| Temperature 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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Tedea load cell 620

available with certification • ATEX • OIML • NTEP • FM



| Wiring Schematic Diagram | | Thread Type "T" by Capacity | | | CAPACITY (Kg) | A | B | C | D | E | F |
|--------------------------|-------|-----------------------------|------------|------------|-----------------|-----|-----|----|----|------|------|
| | | CAPACITY | METRIC | UNIFIED | | | | | | | |
| +VE INPUT | Blue | | | | 500, 1000, 2000 | 90 | 70 | 32 | 19 | 36.6 | 10.4 |
| +VE SENSE | Green | | | | 5000 | 120 | 100 | 45 | 26 | 60 | 13.8 |
| +VE OUTPUT | White | 500 kg | M12 x 1.75 | 1/2-20 UNF | | | | | | | |
| -INPUT | Black | 1000 kg | M16 x 2.0 | 1/2-20 UNF | | | | | | | |
| -VE SENSE | Grey | 2000 kg | M16 x 2.0 | 3/4-16 UNF | | | | | | | |
| -OUTPUT | Red | 5000 kg | M24 x 2.0 | 1-12 UNF | | | | | | | |

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