

355

Bending Beam Load Cell

SENSOR
TECHNIQUES LIMITED



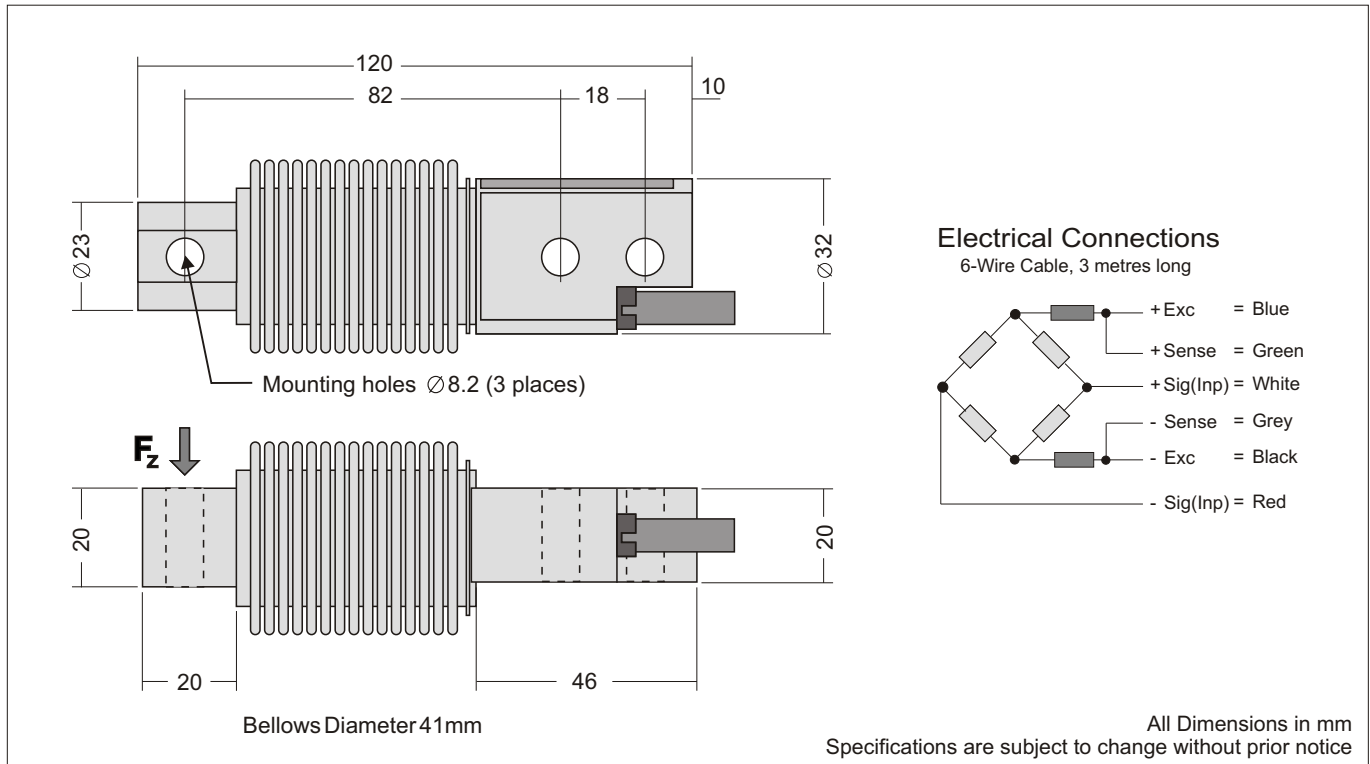
Bending Beam Load Cell, Model 355

- High accuracy and long term stability
- Output signal rationalised (2.0 mV/V \pm 0.1%)
- Current matched (UR) units also available.
- Available in capacity ranges from 5kg to 500kg
- Ideal for harsh environments & industrial applications
- Compact stainless steel construction sealed to IP68
- Optional ATEX approval available
- 6-wire sense technique with double shielded cable
- Industry standard size and shape

| GRADE | | E | C1 | C3 | C4 |
|--------------------------------|----------------|---------------------------------------|-------|-------|-------|
| Number of Load Cell Intervals | n (max) | | 1000 | 3000 | 4000 |
| Minimum Utilisation | % Rated Cap. | | 30 | 20 | 30 |
| Minimum Verification Interval | Vmin=Emax/. | | 3333 | 15000 | 13333 |
| Total Error | % Appl. Load | 0.030 | 0.030 | 0.020 | 0.015 |
| Zero Return after 30 mins | % Appl. Load | 0.050 | 0.050 | 0.017 | 0.013 |
| Temperature Effect on : Span | %Appl. Ld./10K | 0.040 | 0.040 | 0.011 | 0.011 |
| Zero | %ORL/10K | 0.070 | 0.070 | 0.010 | 0.008 |
| Output at Rated Load (ORL) | mV/V | 2.00 (UR matched 2.02) | | | |
| Output at Rated Load Tolerance | % | ± 0.1 | | | |
| Input Impedance | Ohm | 380 ± 10 | | | |
| Output Impedance | Ohm | 350 ± 3 | | | |
| Recommended Supply Voltage | V | 10 | | | |
| Compensated Temp. Range | °C | -10 to +40 | | | |
| Operating Temperature Range | °C | -30 to +70 | | | |
| Deflection | mm | < 0.4 | | | |
| Safe Overload | % Rated Cap. | 150 | | | |
| Maximum Overload | % Rated Cap. | 200 | | | |
| Ultimate Overload | % Rated Cap. | 300 | | | |
| Cable Length | m | 3 | | | |
| Construction | | Stainless Steel | | | |
| Environmental Protection | | IP68 | | | |
| Rated Capacities (Emax) | Kg | 5, 10, 20, 30, 50, 100, 200, 250, 500 | | | |

PTB - Report 1.13-93.311

Dimensions



DS355-4, 12/09