

# Model SSC

## STAINLESS STEEL COMPRESSION LOAD CELL



The SSC (Stainless Steel Compression) load cell is available in 6 capacities, 5t to 100t.

This load cell continues to be an industrial workhorse within the weighing industry. A natural choice for high capacity hopper, tank and silo weighing, where long life and stability are pre-requisites.

It is an excellent selection for many hostile environments due to its welded heavy-duty stainless steel construction and high weighing capacity, coupled with a quality IP67 protection rating.

The special mounting accessories make the SSC an ideal choice for the professional weighing installer, using our simple top & bottom mount Type 3, side adjustable restraining mount Type 1 or the unique side & uplift restraining mount Type 2 all provide for a simple 'set and forget' installation.

Three standard mountings are available to be sure you gain the maximum performance by using one of the special PT designed and manufactured mounting kits.

### APPLICATIONS

- Hopper, tank & silo weighing
- High capacity weighing
- Industrial process weighing in most hostile environments

### FEATURES

- Heavy duty stainless steel encapsulation
- Industry standard size and shape
- Designed to meet the high capacity markets from 5t ~ 100t
- High overload capacity
- 3 purpose designed installer friendly mounting accessories

### Specifications

Note: All specifications are a maximum, as a % ( $\pm$ ) of full load, unless otherwise stated.

|                                 |                        |  |  |
|---------------------------------|------------------------|--|--|
| Nominal Capacity                | 5t ~ 100t              | Ultimate Load                            | 500% of Rated Capacity   |
| Signal Output at Capacity       | 1mV/V $\pm$ 0.1%       | Input Resistance                         | 820 $\Omega$ Nominal   |
| Linearity Error                 | < 0.050% FSO           | Output Resistance                        | 705 $\Omega$ Nominal   |
| Non-Repeatability               | < 0.020% FSO           | Insulation Resistance (bridge to ground) | > 5000 M $\Omega$ at 100V DC   |
| Combined Error                  | < 0.070% FSO           | Excitation Voltage (Recommended)         | 5 ~ 20V AC/DC  |
| Hysteresis                      | < 0.020% FSO           | Excitation Voltage (Maximum)             | 25V AC/DC  |
| Creep/Zero Return (30 mins)     | < 0.045% / 0.030% FSO  | Tilt (Maximum Transverse Displacement)   | 12mm   |
| Zero Balance                    | < 2.000% Capacity      | Storage Temperature Range                | -50 ~ 65°C   |
| Temperature Effect on Span/10°C | < 0.025% FSO           | Cable Type                               | 6.5mm, Screened, PUR Sheath<br>6 Core x 0.24mm <sup>2</sup> (24 AWG) |
| Temperature Effect on Zero/10°C | < 0.025% Capacity      | Cable Length                             | 10 Metres (5t ~ 50t)<br>13 Metres (100t)                             |
| Compensated Temperature Range   | -10 ~ 50°C             | Material                                 | Stainless Steel  |
| Operating Temperature Range     | -30 ~ 65°C             |  |  |
| Service Load                    | 100% of Rated Capacity |  |  |
| Safe Load                       | 200% of Rated Capacity |  |  |



Manufactured in New Zealand