

# SWDC C4 precision load cell

A HIGHER STANDARD OF  
PRECISION

IP68 PROTECTION RATING

RS-485 COMMUNICATION  
PROTOCOL



Digital canister load cell ideal for weighbridges, silos and tanks

Self-aligning and self-centering design

Special alloy steel body with stainless steel external casing  
...Manufactured with precision laser soldering

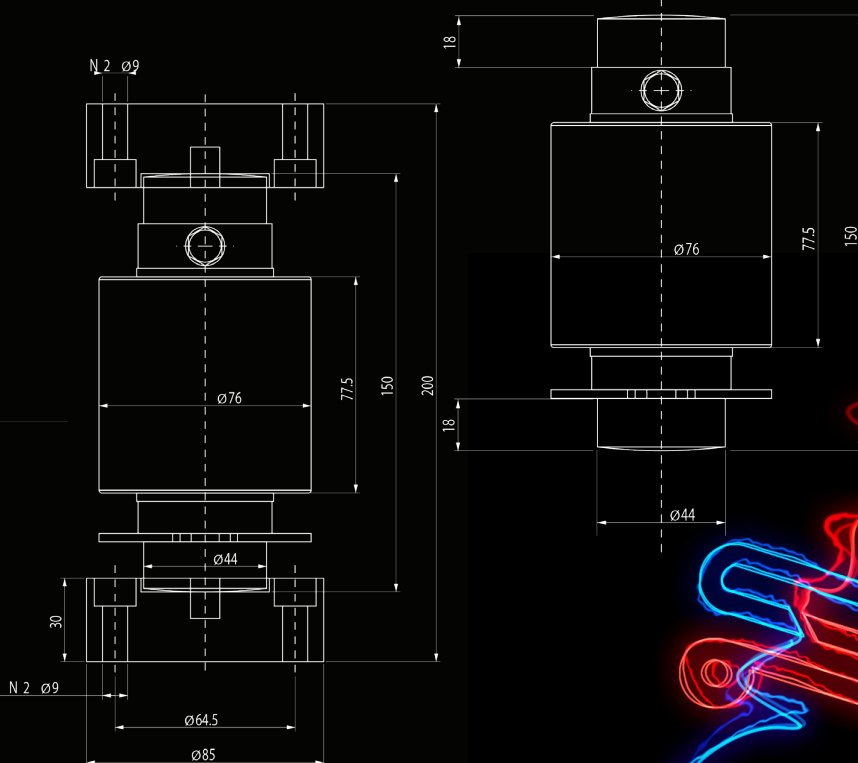
Approved by The National Measurement Institute

## Specification

|                                                       |   |                                                                               |
|-------------------------------------------------------|---|-------------------------------------------------------------------------------|
| Maximum capacity ( $E_{max}$ )                        | - | 30 000 kg                                                                     |
| Minimum dead load ( $E_{min}$ )                       | - | 0 kg                                                                          |
| Accuracy class ( OIML R60 )                           | - | C4                                                                            |
| Maximum number of verification intervals ( nLC )      | - | 4000                                                                          |
| Minimum value of verification intervals ( $V_{min}$ ) | - | 3 kg                                                                          |
| Minimum dead load output return value ( DR )          | - | 3 kg                                                                          |
| Rated output ( resolution )                           | - | 60 000 $\pm$ 6 ( $\pm$ 0.01 % )                                               |
| Supply voltage ( DC )                                 | - | 10 - 18 V                                                                     |
| Communication                                         | - | RS-485                                                                        |
| Conversion rate                                       | - | 100 Hz / 24-bit                                                               |
| Load cell construction                                | - | Special alloy steel body with stainless steel external casing, laser soldered |
| Protection rating ( EN 60 529 )                       | - | IP68 (up to 2m water depth)                                                   |
| Cable and length                                      | - | 5mm shielded 4 poles, 18m                                                     |
| Safe load limit                                       | - | 150% F.S.                                                                     |
| Nominal operating temperature                         | - | -10 °C / +40 °C                                                               |
| NMI approval number                                   | - | S828                                                                          |

## Wiring code

|               |          |
|---------------|----------|
| Red           | Input +  |
| Black         | Input -  |
| Green         | Output + |
| White         | Output - |
| Black (thick) | Shield   |



*DIGITAL LOAD CELL*