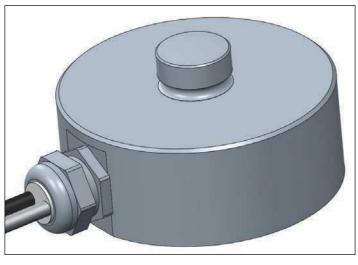


Compression load cell

TC82 Series



- Outer diameter 82 mm
- Made of stainless steel
- Double channel version suitable for PL d (EN13849-1) systems
- Electrical connection with 4xAWG24 5.0 m shielded cable

On request:

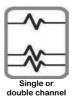
- Special finishes and materials
- Load cell amplifier (to be ordered separately): BPE «ADS-200 MkII» series

Typical fields of application: Normally used to measure the load in an aerial basket/work platform cages and generic mobile machines

Note: the user/installer is responsible for evaluating the values and, thus, the safety of the application







Technical data

| Power supply | from 0 to 15 V _{DC} |
|--------------------------------------|-------------------------------|
| Output | 2.0 mV/V |
| Nominal load | 1000 / 2500 / 5000 DaN |
| Linearity, repeatability, hysteresis | ± 1% FS |
| Zero offset | ± 1% FS |
| FS and zero temperature coefficient | 0.008 ⁽¹⁾ %FS / °C |
| Insulation | > 2 GΩ @ 15 V _{DC} |
| Input and output resistance | $350~\Omega$ |
| Safe overload | 150% |
| Ultimate load | 300% |
| Operating temperature | from -20 to +70°C |
| Maximum weight | 1.25 Kg |
| Housing material | Stainless steel |
| Standard protection grade | IP66 / IP67 |
| CE conformity | EMC Directive: 2014/30/EU |
| EMC: Immunity Emission | EN 61000-6-2 EN 61000-6-3 |
| Maximum number of mechanical cycles | 1x10 ⁶ cycles |

Maximum number of mechanical cycle
(1) Between -10 °C and +40 °C



TC82 Series

Ordering Code

| _ | TC82 | 01000 | S | H44 | 2 | 1P11 | L05000 | NOT | CCF | |
|-----------------------|-------------------------|-----------------|----------|----------------------------------|---------------------|----------------|---------------|-----------------------|-------------------------|--|
| | Transducer type | Nominal Ioad | Channels | Height | Housing material | Cable gland | Cable length | Custom configuration | Electrical connectio | |
| Nominal load | 0 1 0 0 2 5 0 5 0 | 0 0 | _ | 1000 daN 2500 daN 5000 daN | | | | - | double channel | |
| Channels | S D | | | Single char Double cha | | | | Black Yellow or White | Green | : Positive Supply : Negative Supply : Signal – : Signal + |
| Height | H 4 4 | | | 44.0 mm | | | | Shield | | : Not connected |
| Housing material | 2 | | | Stainless s | teel | | | | | |
| Cable gland | 1 P 1 | 1 | | With PG11 | cable gland | | | | | |
| Cable length | L 0 5 | 0 0 0 | | 5.0 m cable | e length | | | | | |
| Custom configuratio | n N O T | | | Not amplifie | ed signal | | | | | |
| Electrical connection | n c a b | | | Electrical w | riring harness | s code (see o | on the right) | | | |

Custom configurations are available on request.

Dimensions [mm]

