

TECHNICAL FEATURES

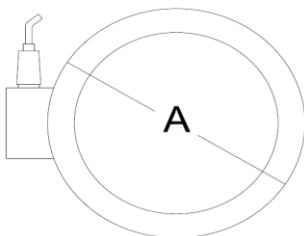
- ✓ Measuring range: 1900-3000 kN;
- ✓ Cell plate: with 16 strain gauge sensors;
- ✓ Wheatstone bridge:
- ✓ input resistance 1450 + 50 Ω ;
- ✓ output resistance 1400 +/- 5 Ω ;
- ✓ Nominal sensitivity: 2.0 mV/V +/- 0.15%;
- ✓ Output signal: mV/V, 4-20mA;
- ✓ Overload permissible: 150% F.S.;
- ✓ Repeatability: >+/- 0.02% F.S.;
- ✓ Combined error (total precision): <-0.1% F.S.;
- ✓ Power supply: 5-15 V DC;
- ✓ Material: stainless steel;
- ✓ Operating temperature: from -20 to +70°C;
- ✓ Insulation resistance: >5G Ω ;
- ✓ Temperature coefficient of zero: +/-0.005% F.S./°C;
- ✓ F.S. temperature coefficient: +/- 0.005% F.S./°C;
- ✓ Protection level: IP68.



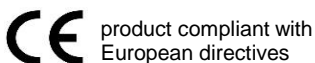
The electrical load cell is an instrument made up of a cylindrical steel body with 16 strain gauges positioned along the circumference of the sensitive plate and set as full Wheatstone bridge, providing an electrical signal proportional to the load applied. Installed at the base or between the junction plates of a metal structure, it measures the axial load applied.



CROSS-SECTION VIEW



VIEW FROM ABOVE



| DIMENSIONS | |
|---------------------------|--------|
| cell plate 1900 kN | |
| plate diameter (A) | 240 mm |
| thickness (B) | 40 mm |
| cell plate 3000 kN | |
| plate diameter (A) | 300 mm |
| thickness (B) | 40 mm |