

## CPA

### CPA SERIES LOW PROFILE COMPRESSION LOAD CELLS



Stainless steel compression load cells suitable for extremely harsh environments and high temperatures.

**CAPACITIES (kg):** 150, 300, 500, 1000, 2000, 3000, 5000, 7000, 10000, 20000, 30000, 50000.

**OIML R60, C3** precision class from 2000 a 10000kg.

**Stainless steel. IP68** protection.



C3

The best solution  
for advanced industrial  
applications

## MAIN FEATURES

- CAPACITIES from 150 to 10000 kg
- OIML C3 CLASS, from 2000 to 10000 kg
- LOW PROFILE
- GREAT RESISTANCE TO LATERAL FORCES
- STAINLESS STEEL CONSTRUCTION
- IP68 PROTECTION
- SHIELDED CONNECTION CABLE UP TO 90°C

## TECHNICAL FEATURES

- Minimum load cell verification interval:  $V_{min} = E_{Max} / 10000$
- Full Scale Output: 2mV/V +/- 0,1% (1,3mV/V for CPA150)
- Repeatability: 0,01% F.S.
- Temperature effect on zero: 0,0014% /°C
- Temperature effect on full scale output: 0,0013% /°C
- Compensated Temperature Range: -10°C/+40°C
- Operating Temperature Range: -30°C/+60°C
  - \* Upon request up to 200°C
- Creep error after 4 hours: 0,03% F.S.
- Maximum tolerated excitation voltage: 15 Vdc
- Input Resistance: 1100 ± 50 Ohm
- Output Resistance: 1000 ± 10 Ohm
- Zero Balance: ± 2% F.S.
- Insulation Resistance: >5000 MOhm
- Safe Overload: 150% F.S.
- 6-wire shielded cable, 5 mm diameter:
  - 5 m long for the versions from 150 up to 10000kg
  - 15 m long for the versions from 20000 to 50000kg

### Wiring Code

<i>Colour</i>	<i>Function</i>
METAL	SHIELD
GREEN	OUTPUT +
VIOLET	SENSE +
RED	INPUT +
WHITE	OUTPUT -
GREY	SENSE -
BLACK	INPUT -

## VERSIONS

### Available versions

Codice	Max (kg)
CPA150	150
CPA300	300
CPA500	500
CPA1000	1000
CPA2000 	2000
CPA3000 	3000
CPA5000 	5000
CPA7000 	7000
CPA10000 	10000
CPA20000	20000
CPA30000	30000
CPA50000	50000

NOTE: Capacities up to 1000t upon request.

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