

CPX_OLD20181128

CPX SERIES LOW PROFILE LOAD CELLS



Stainless steel compression load cells suitable for weighing tanks and hoppers with the relevant accessories.

CAPACITIES (kg): 250, 500, 1000, 2500, 5000, 7500, 10000, 12500, 15000, 30000, 50000, 100000.

OIML R60, C3 precision class from 2500 to 12500kg.

Stainless steel. IP68 protection.

The best solution
for advanced industrial
applications

MAIN FEATURES

- CAPACITIES FROM 250 TO 100000 kg
- CE-M C3 APPROVED, from 2500 to 12500 kg
- LOW PROFILE
- GREAT RESISTANCE TO LATERAL FORCES
- STAINLESS STEEL CONSTRUCTION
- IP68 PROTECTION
- SHIELDED CONNECTION CABLE

TECHNICAL FEATURES

- Minimum load cell verification interval: $V_{min} = E_{Max} / 10000$
- Full Scale Output: 2mV/V +/- 0,5%
- Non-Repeatability: 0,01% F.S.
- Combined Error 0,05%
- Temperature effect on zero: 0,02% / 10°C
- Temperature effect on full scale output: 0,02% / 10°C
- Compensated Temperature Range: -10°C/+40°C
- Operating Temperature Range: -20°C/+60°C
- Creep error after 30 minutes: 0,02% F.S.
- Recommended excitation voltage: 10 Vdc
- Maximum tolerated excitation voltage: 15 Vdc
- Input Resistance: 750 ± 10 Ohm
- Output Resistance: 700 ± 5 Ohm
- Zero Balance: +/-1% F.S.
- Insulation Resistance: >5000 MOhm
- Safe Overload: 120% F.S.
- 4-wire shielded cable, 5 mm diameter:
 - 5 m long for CPX 250...5000 versions;
 - 10 m long for CPX 7500...100000 versions.

<u>Wiring Code</u>	
<i>Colour</i>	<i>Function</i>
--	SHIELD
GREEN	OUTPUT +
RED	INPUT +
WHITE	OUTPUT -
BLACK	INPUT -

ATEX VERSION

- The CCATEX certificate makes the load cell suitable for use in hazardous areas with protection methods according to:
ATEX II 1G Ex ia IIC T6 (Ta -20÷+40°C) TX (Ta -20÷+65°C) Ga
ATEX II 1D Ex ta IIIC TX°C (Ta -20÷+40°C) TX°C (Ta -20÷+65°C) Da IP65.
The certificate includes the manual and the ATEX CE conformity declaration (available in EN, DE, FR, and IT).
- The CCATEX certificate is issued after the checks done by qualified technicians, with the help of specific equipments, for each load cell.
- **IMPORTANT:** the certificate refers to the single load cell. For systems with more load cells, it is necessary to order one certificate for each load cell.

VERSIONS

Available versions

Codice	Max (kg)
<u>CPX250</u>	250
<u>CPX500</u>	500
<u>CPX1000</u>	1000
<u>CPX2500</u> 	2500
<u>CPX5000</u> 	5000
<u>CPX7500</u> 	7500
<u>CPX10000</u> 	10000
<u>CPX12500</u> 	12500
<u>CPX15000</u>	15000
<u>CPX30000</u>	30000
<u>CPX50000</u>	50000
<u>CPX100000</u>	100000



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Australia



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SALES AND TECHNICAL ASSISTANCE SERVICE