

CPX

CPX SERIES LOW PROFILE COMPRESSION 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/IP69K 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, IP69K UPON REQUEST
- SHIELDED CONNECTION CABLE

TECHNICAL FEATURES

- Minimum load cell verification interval: $V_{min} = E_{Max} / 10000$
- Full Scale Output: $2mV/V \pm 0,5\%$
- 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.
- Maximum tolerated excitation voltage: 15 Vdc
- Input Resistance: $750 \pm 10 \text{ Ohm}$
- Output Resistance: $700 \pm 5 \text{ Ohm}$
- Zero Balance: $\pm 1\%$ 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>	
<u>Colour</u>	<u>Function</u>
--	SHIELD
GREEN	OUTPUT +
RED	INPUT +
WHITE	OUTPUT -
BLACK	INPUT -

VERSIONS

Available versions

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



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SALES AND TECHNICAL ASSISTANCE SERVICE