

CPX

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/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

COVENTRY SCALE COMPANY



COVENTRY SCALE COMPANY LTD

BARKERS BUTTS LANE 137 - CV61EB - COVENTRY - UNITED KINGDOM

Tel. 0044-2476-593500

Fax. 044-2476-601239

E-mail info@coventryscale.co.uk

Web www.coventryscale.co.uk