

## 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.

Working in cooperation with:

*AHNE TECH STAFF*  
-- MUSCAT  
[alhinaoman@gmail.com](mailto:alhinaoman@gmail.com)

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:  $0,02\% / 10^{\circ}C$
- Temperature effect on full scale output:  $0,02\% / 10^{\circ}C$
- Compensated Temperature Range:  $-10^{\circ}C/+40^{\circ}C$
- Operating Temperature Range:  $-20^{\circ}C/+60^{\circ}C$
- Creep error after 30 minutes:  $0,02\%$  F.S.
- Maximum tolerated excitation voltage: 15 Vdc
- Input Resistance:  $750 \pm 10$  Ohm
- Output Resistance:  $700 \pm 5$  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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Calto (RO) – Italy



HEAD OFFICE  
Via Della Fisica, 20  
41042 Spezzano di Fiorano Modena - Italy



**AHNE TECH STAFF**  
-- MUSCAT  
  
alhinaioman@gmail.com  
  
SALES AND TECHNICAL ASSISTANCE SERVICE