

CP

## CP 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, 7500, 15000, 50000.

**Stainless steel. IP68 protection. C3 precision class.**

The best solution  
for advanced industrial  
applications

## MAIN FEATURES

- LOW PROFILE
- STAINLESS STEEL CONSTRUCTION
- IP68 PROTECTION
- MAX. CAPACITIES FROM 250 TO 100000 kg
- SHIELDED CONNECTION CABLE

## TECHNICAL FEATURES

- Full Scale Output: 2mV/V +/- 0,5%
- Non-Repeatability: 0,01% F.S.
- Temperature effect on zero: 0,02% / 10°C
- Temperature effect on full scale output: 0,02% / 10°C
- Compensated Temperature Range: -10°C/+50°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 CP 250...5000 versions;
  - 10 m long for CP 7500...100000 versions.

<u>Wiring Code</u>	
<u>Colour</u>	<u>Function</u>
--	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).
- 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)
CP250	250
CP500	500
CP1000	1000
CP2500	2500
CP7500	7500
CP10000	10000
CP15000	15000



**DINI ARGEO**  
FRANCE sarl  
France

**DINI ARGEO**  
GMBH  
Germany

**DINI ARGEO**  
UK Ltd  
United Kingdom

**DINI ARGEO WEIGHING**  
INSTRUMENTS Ltd  
China

**DINI ARGEO**  
OCEANIA  
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