DINI ARGEO

A RICE LAKE WEIGHING SYSTEMS COMPANY

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
- OIML 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: Vmin = EMax / 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.
- 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.

Wiring Code	
Colour	*Function*
--	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.

MAIN CERTIFICATIONS

- OIML R60
- Australian legal for trade certificate of approval (NMI S843)

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

NOTE: Capacities up to 1000t upon request.

www.diniargeo.com



DINI ARGEO FRANCE sarl	DINI ARGEO GMBH	DINI ARGEO UK Ltd	DINI ARGEO WEIGHING INSTRUMENTS Ltd	DINI ARGEO OCEANIA
France	Germany	United Kingdom	China	Australia

DINI ARGEO
A RICE LAKE WEIGHING SYSTEMS COMPANY

COMPANY HEADQUARTERS
Via Della Fisica, 20
41042 Spezzano di Fiorano Modena • Italy
Tel. +39.0536 843418

SERVICE ASSISTANCE
Via Dell'Elettronica, 15
41042 Spezzano di Fiorano Modena • Italy
Tel. +39.0536 921784

SALES AND TECHNICAL ASSISTANCE SERVICE

All the specifications and images can be subject to variations and upgrades without prior notice.