

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, 5000, 7500, 10000, 15000, 30000, 50000, 100000.

Stainless steel. IP68 protection. C3 precision class.

Working in cooperation with:

VAHY PRO S.R.O.

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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

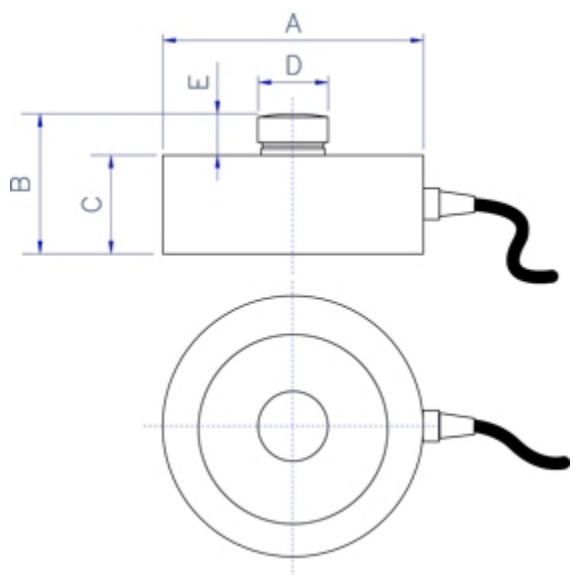
- Full Scale Output: 2mV/V +/- 0,5%
- Non-Repeatability: 0,01% F.S.
- Temperature effect on zero: 0,02% / 10°C
- Temperature effect on full scale output: 0,02% / 10°C
- Compensated Temperature Range: -10°C/+50°C
- Operating Temperature Range: -20°C/+60°C
- Creep error after 30 minutes: 0,02% F.S.
- Maximum tolerated excitation voltage: 10 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.

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.

<u>Wiring Code</u>	
<u>Colour</u>	<u>Function</u>
--	SHIELD
GREEN	OUTPUT +
RED	INPUT +
WHITE	OUTPUT -
BLACK	INPUT -

DETAIL 1



Code	Dimensions in mm				
	A	B	C	D	E
CP250	82	44	32	22	12
CP500	82	44	32	22	12
CP1000	82	44	32	22	12
CP2500	82	44	32	22	12
CP5000	82	44	32	22	12
CP7500	82	44	32	22	12
CP10000	82	44	32	22	12
CP15000	100	48,5	35	28	13,5
CP30000	126	54	40	35	14
CP50000	165	80	60	60	20
CP100000	165	80	60	60	20

VERSIONS

Models Available

Code	Max (kg)	Masterpack 4 pcs
CP250	250	CP250C
CP500	500	CP500C
CP1000	1000	CP1000C
CP2500	2500	CP2500C
CP5000	5000	CP5000C
CP7500	7500	CP7500C
CP10000	10000	CP10000C
CP15000	15000	CP15000C
CP30000	30000	CP30000C
CP50000	50000	CP50000C
CP100000	100000	CP100000C



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SALES AND TECHNICAL ASSISTANCE SERVICE