



CNC4200-MT3



4-20 mA Level & Pressure Transmitter



CUSTOMIZATION

- × Customer:
- × Shipment date:
- × Serial number:
- × Range: 0 to xxx m.w.c.
- × Maximum pressure: xx bar
- × Cable length: xxx m.

DESCRIPTION

The *CNC4200* is based on a ceramic die and measures the hydrostatic pressure through a capacitive effect. A vented tube inside the cable assures the compensation of the atmospheric pressure variations. It can be installed inside the water or threaded to process using its 1/4" G connection (optional).

MATERIALS AND WEIGHTS

- × body and cell: AISI 316L. 300 g. Ø22
- × diaphragm: Al₂O₃ (96%)
- × cable: poliethilene. Can be used in food industrie (94/62/EU). 63 g/m. Outside Ø: 6 mm. Length customized to application requirements

METROLOGICAL CHARACTERISTICS

- × Available pressure range (P, bar): any range between 0-0'1 up to 0-22 bar
- × Height equivalence (H, m.w.c.): 0-1 up to 0-220 m.w.c. ($H = P \times 10'21555$ at 20 °C)
- × Typical uncertainty: < ± 0'25% f.s.
- × Long term stability: < 0'1% f.s. / year
- × Switch on time: < 10 ms.
- × Response time to raise from 10 to 90% f.s. \cong 1 ms.
- × Compensated temperature working range: -20 to +80 °C.
- × Temperature offset drift: ± 0'05% f.s. / 10 °K
- × 89/336/EC CEM approvals available: L.G.A.I. n. 99007853.
- × 9 points calibration certificate (option).

ELECTRICAL CHARACTERISTICS

- × output signal and consumption: 4 to 20 mA, two wires, ratiometric to the measured range.
- × supply (V_{cc}): between 8 and 30 Vdc, filtered and regulated.
- × maximum load: $R_{Lmax} = (V_{cc} - 8) / 0'02$
- × cable resistivity: 88'6 Ω/Km
- × IP66 surge protection unit included (AT30E), with 1 ns. response time, 3 stages, 1500 w.