

CAPTOR - DIFFERENTIAL PRESSURE TRANSMITTER

CAPTOR analog transmitter is suitable for precision measurements of:

- Differential pressure (DP)
- Low Differential pressure (DR)
- High Pressure (HP)
- Relative Pressure (GP)
- Absolute Pressure (AP)
- Flowrate (Q)
- Level (LT)

CAPTOR DP



DESCRIPTIONS

The process pressure is transmitted through the isolation diaphragm and oil filling the sensitive diaphragm, housed at the center of the sensor. Similarly, the reference pressure is transmitted to the opposite side of the sensitive diaphragm. The sensitive diaphragm is bended proportionally to the pressure applied. The decline of the sensitive diaphragm gives rise to a difference in ability between the two capacitors composed of the same sensitive diaphragm and the two plates fixed. The difference in capacity generated by the sensor is converted into an analog signal 4-20mA 2-wire.

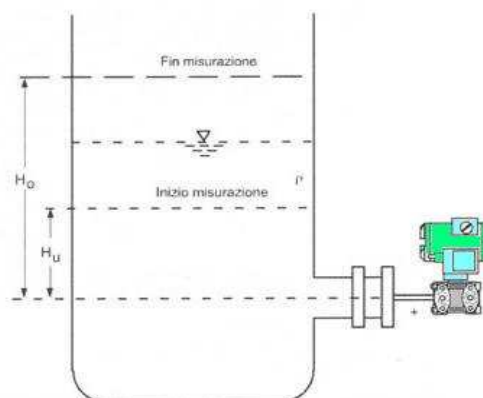
CAPTOR Q



TECHNICAL SPECIFICATIONS

- Accuracy: +/- 0.2% - 0.5% - 0.075%
- Range: from 0...0.5 mbar to 0...250 bar
- Low pressure DR -Q: < 1.6 kPa = 160 mbar (quadratic)
- Power Supply: 12...30 Vdc, 24Vdc
- Operating temperature: -25°C...+85°C
- Operating Pressure max: 20 ...50 bar
- Membrane, body, internal: S.S. 316 (other on request)
- Fluid filling: silicon
- Process connections: 1/4-18 NPT F, 1/2"-14 NPT F inox
- Analog Output: 4...20mA
- Digital Output Option: Digital signal w/module HART

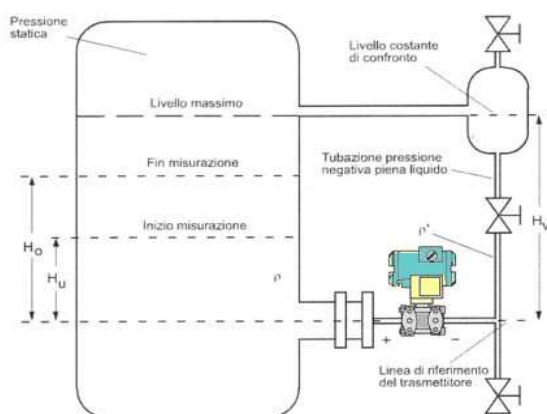
- Alphanumeric display: LCD 2 lines - videographic
- Housing: IP67
- Zero and local span Correction



CAPTOR LT

Sensor Range:	dp mbar	Rel Pressure bar
	20	1
	60	4
	250	16
	600	63
	1600	160
	5000	400
	30000	

On request Explosion Proof - Intrinsic Safety



CAPTOR DR



SATEMA 13856 VIGLIANO B.SE - Via Milano, 395
 Tel. +39 015811102 - Fax 0158853029
 Mail: info@satema.it <http://www.satema.it>