http//www.omicron-sensors.org
mail: contact@omicron-sensors.org

MODEL : OMP012

SENSOR OF PRESSION (AVERAGE PRESSION)

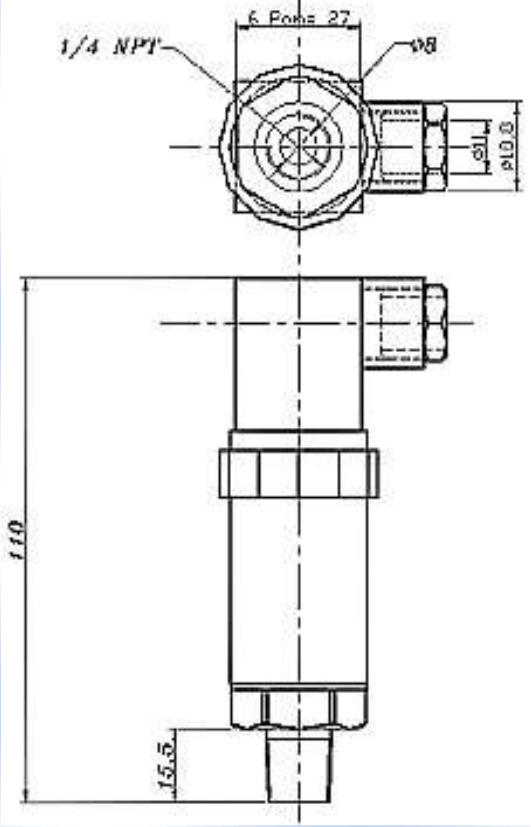
- ***Extended from measurement from 0-5 to 0-750 bar 10878psi***
- ***Precision ± 0.25 % of standard***
- ***Compatible with all the fluids (Body 17.4PH)***
- ***Mechanical decoupling***
- ***Connection 1/4NPT male or ¼ gaz***
- ***For static or dynamic applications***
- ***Conform to standard D.E.S.P***
- ***Probe integrated PT 100 (in option)***

* Made out of treated and aged stainless steel a good resistance to fatigue confers to him.
* Proposed in seal, this sensor is available in ranges of pressure going from 0-5 to 0-750 bar
* Sensitive element equipped with strain gauges out of Silicon or to pellicular screens.
* Beach of use in temperature of -40 with +125°C (option high temperature (-40 to 200 °C) With off-set electronics.)
*Can receive an electronics 0/10Vou 4/20 mA (in option)

SPECIFICATIONS MECANIQUES

**** *Dimensions en mm :***

Raccord de pression à filetage cylindrique au pas du gaz



NOTE : Le constructeur se réserve le droit de changer sans préavis les spécifications indiquées . MARS 1996/VD

ELECTRIC SPECIFICATIONS

** * Supply: 10 VCC nominal, 12 VCC max (out of standard)*
**** * initial** Offset of the sensor: ? ± 5 % of the E.M*
**** * Input / output Impedance: 1000 ohms nominal***
** * Left electric: Hirschmann Connector*

THERMAL SPECIFICATIONS

**** * Temperature of use: -40 to 125 °C***
**** * Beach of compensation in temperature: 0 with 60°C***
**** * Drift of zero in the compensated beach: ? ± 2 % of the E.M***
**** * Drift of sensitivity in the compensated beach: ? ± 3.E-2/°C***

OPTIONS

** High temperature -40 to 200 °C (electronic off-set to see OMM 010 and OMM 011).*
** Electronic amplifier integrated into the sensor*
- MT: Food 10 to 32 Volts not controlled, signal 10V
- BT: Food ± 15 Volts Controlled, Signal 10V
*- C: Food 10 to 32 Volts **not controlled, left 4/20 my***

Extended from measurement (bar)	**5**	**10**	**20**	**50**	**100**	**300**	**500**	**750**
Acceptable overload (bar)	X 1.5							
Precision (± % of E.M.)	0.5							
Sensibility (mV/E.M.) nominale	10 ou 200							
Sensibility (V/E.M.) Op: Option :MT/BT/C(4-20mA)	5 Vcc		10 Vcc		4-20mA			

CODE ORDER

Reference	Option temperature	Pressure	Option Amplifier	Option
OMP010	HT	0-750	MT/BT/C	PT100

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