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## MODEL : OMP011S or M / 7000bar/101.52KPSI

**PRESSURE TRANSDUCER (High pressure)**

- Ranges: de 0-1000 to 0-7000 bar 14.504psi=1bar
- Accuracy  $\pm 0.5$  % standard
- In accordance with D.E.S.P
- Compatible with all fluids (Stainless steel)
- Mechanical decoupling (insensitive to torque)
- Métal/métal pressure connexion 16X150 or F250C
- Static and dynamic applications
- Probe integrated PT 100 (in option)

\* Designed for high pressure measurements, these transducer are constructed from hardened stainless steel, giving them excellent fatigue resistance.

\* Available in sealed gauge, this transducer is available in measurement ranges 0-1000 to 0-7000 bar

\* The sensing element is equipped with silicon or foil gages, while the body is in stainless steel.

\* Operating temperature range from -40 to +125°C

\* Signal amplifying electronics, both voltage and 4/20 mA, are available as an option.

### ELECTRICAL SPECIFICATIONS

\*\*Supply : 10 Vdc nominal , 12 Vdc max (on standard)

\*\*Signal 1mV/V OMP011M

\*\*Signal 20mV/V OMP011S.

\*\*Offset :  $\leq \pm 5$  % F.S.

\*\*Output Impedance : 500 ohms nominal

\*\*Input Impedance : 1500 ohms nominal

\*\*Electrical output : 4 wire shielded Teflon cable

### THERMAL SPECIFICATIONS

\*\*Operating temperature range : -40 to 125 °C

\*\*Compensated temperature range (CTR): 0 to 60°C

\*\*Zero drift in CTR:  $\leq \pm 1$  % F.S

\*\*Sensitivity drift in CTR:  $\leq \pm 1.5.E-2$  / °C

### OPTIONS

\*\*Built in amplifier for high level output:

-MT : 10 to 32 Vdc unregulated

-BT :  $\pm 15$  Volts regulated

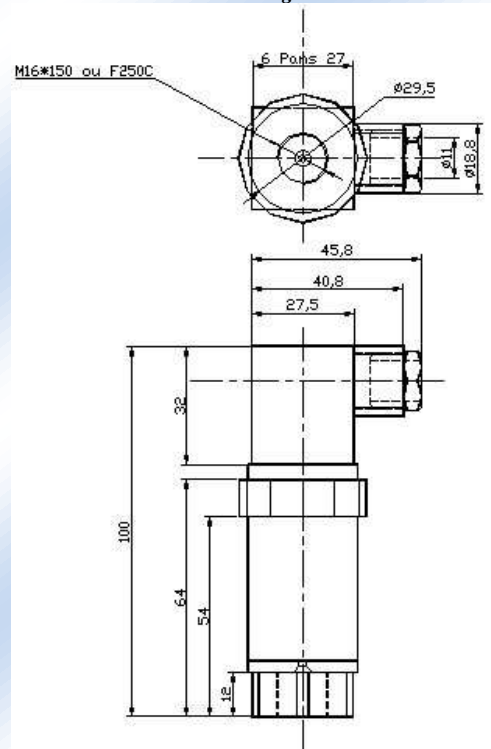
-C : 4/20 mA output for 10 - 32 Vdc unregulated supply



### MECHANICAL SPECIFICATIONS

\*\*Pressure connection : Metal/metal female 16X150 or F250C

\*\*Dimensions as in attached drawing:



Pressure connection

NOTE : NOTE : Specifications subject to change without notice MAI96/VD

Ranges ( bar )	1000	1600	2000	3000	4000	4500	5000	6000	7000
Overranges ( bar )					X 1.5				
Accuracy ( $\pm$ % F.S.)					0.5				
Sensitivity ( mV/F.S.) nominal					10/ 250				
Sensitivity ( /F.S.) Op:C/ Mt and BT					4-20mA	5V/10V			

### CODE ORDER

Reference	Option Temperature	Pressure	Option Amplifier	Option
OMP011	HT	0-7000	S/M/MT/A	7000bar/PT100

## OMICRON SENSORS ENVIRONNEMENT

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