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## MODEL : OMP06

### Threaded M8 FLUSH MEMBRANE TRANSDUCER

- \* **Ranges : 0-1 to 0-500 bar / 7252 PSI**
- \* **Accuracy :  $\pm 0,5$  to  $\pm 0,25$  % standard**
- \* ( $\pm 0,15$  % optionally)
- \* **Static and dynamic applications**
- \* **Probe integrated PT 100 (in option)**
- \* Available in absolute , gauge or sealed , this flush membrane transducer comes in measurement ranges 0-1 to 0-100 bar .
- \* The sensing element is equipped with silicon strain gages in a Wheatstone bridge type configuration .Both the membrane and body are available in either stainless steel or titanium .
- \* Operating temperature range from - 40 to 150 °C
- \* Signal amplifying electronics are available as an option .
- \* The design of the OMP06 makes the transducer useful for both static and dynamic measurement . In dynamic measurement the characteristics of the OMP06 remain unchanged for frequencies up to 20 % of the resonant frequency .

#### ELECTRICAL SPECIFICATIONS

- \*\*Supply : 10 VCC nominal , 12 VCC max (on standard)
- \*\*Offset :  $\leq \pm 5$  % F.S.
- \*\*Input impedance : 1500 ohms nominal
- \*\*Output impedance : 500 ohms nominal
- \*\*Electrical output : 4 wires shielded silicon cable (1 meter)

#### THERMAL SPECIFICATIONS

- \*\*Operating temperature range : -40 à 125 °C (without electronics)
- \*\*Compensated temperature range (CTR) : 0 à 60°C
- \*\*Zero drift in CTR :  $\leq 1$  % de l'E.M
- \*\*Sensitivity drift in CTR :  $\leq 2.E-2$  / °C

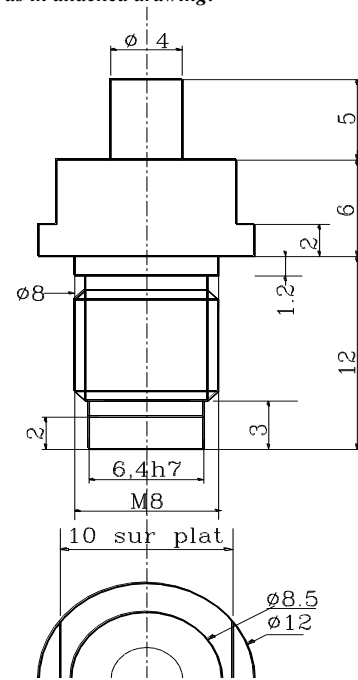
#### OPTIONS

- \*\*Accuracy of  $\pm 0.15\%$
- \*\*OMP06M ( equipped with foil gages, ranges 20 to 100 bar )
- Temperature range: -60 to 200°C
- Output signal: 10 mV/10V excitation



#### MECHANICAL SPECIFICATIONS

- \*\*Pressure connection: M8, sealing ring supplied (BS ring)
- \*\*Dimensions as in attached drawing:



NOTE : Specifications subject to change without noticeMAI96/VD

Ranges (bar)	1	2	5	10	20	35	50	100
Overrange (bar)	2	4	10	20	40	70	100	200
Accuracy (% F.S.)	$\pm 0.5\%$				$\pm 0.25\%$			
Resonance frequency (kHz)	50	65	75	90	110	130	160	200
Sensitivity (mv/F.S.)	150				200			

#### CODE ORDER

Reference	Option temperature	Pressure	Option Amplifier	Option
OMP06	HT	0-100	MT/BT/C	M8 10.32/28UNF

## OMICRON SENSORS ENVIRONNEMENT

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