



<http://www.omicron-sensors.org>

<mailto:contact@omicron-sensors.org>

MODEL : OMP04

M5 or 10/32.28UNF Small PRESSURE TRANSDUCER (Low Pressure)

- * **Ranges: 0-0,025 to 0-15 bar**
 - * **Accuracy ± 1 to $\pm 0,25$ % standard**
 - * **Compatible with all fluids (Viton separator)**
 - * **Static and dynamic applications**
 - * **Low cost**
 - * **Probe integrated PT 100 (in option)**
- * Available in absolute, gauge or sealed gauge, this transducer is available in measurement ranges 0-0,025 to 0-15 bar
- * The sensing element is in micro-machined silicon, while the body is in stainless steel .
- * Operating temperature range from -10 to +95°C
- * Signal amplifying electronics are available as an option
- * The design of the OMP04 makes the transducer useful for both static and dynamic measurements (limited to 1 kHz)

ELECTRICAL SPECIFICATIONS

- **Supply: 10 Vdc nominal , 12 Vdc max (on standard)
- **Offset : $\leq \pm 1$ % F.S
- **Output impedance: 5000 ohms nominal
- **Electrical output : 4 wire shielded Teflon cable (1 meter)

THERMAL SPECIFICATIONS

- **Operating temperature range: -10 to 95 °C
- **Compensated temperature range(CTR): 0 to 60°C
- **Zero drift in CTR: $\leq \pm 0.5$ % F.S
- **Sensitivity drift in CTR: $\leq \pm 1.E-2$ / °C

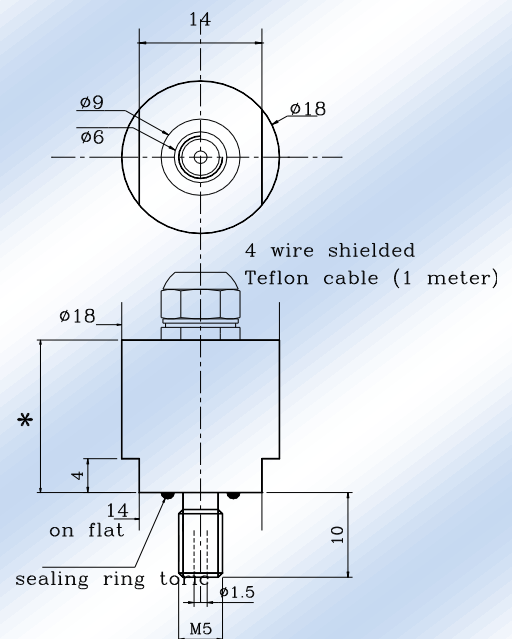
OPTIONS

- **Built in amplifier for high level output:
 - MT : 10 to 32 Vdc unregulated
 - BT : ± 15 Vdc regulated
- **Other thermal specifications on request



MECHANICAL SPECIFICATIONS

- **Pressure connection:M 5 , sealing ring supplied (Toric)
- **Dimensions as in attached drawing:



- * : 18 without electronics
- * : 22 with electronics

NOTE :Specifications subject to change without notice
MAI96/VD

Ranges (bar)	0.025	0.1	0.3	1	2	7	10	15
Overranges (bar)	0.1	0.4	1.2	4	8	25	25	30
Accuracy (\pm % F.S.)	1	0.5			0.25			
Sensitivity (mV/F.S.) nominal	25	60			60			
Sensitivity (V/F.S.) Op: Mt et BT	5 Vdc							

CODE COMMANDE

Référence	Option température	Pression	Option Ampli	Threading
OMP04	HT	0-15	MT/BT/C	M5 or 10.32/28UNF

OMICRON SENSORS ENVIRONNEMENT

AP62 03001 (ALICANTE)SPAIN

Tel/FAX 0034685755956

Site Internet : www.omicron-sensors.org .Email : contact@omicron-sensors.org