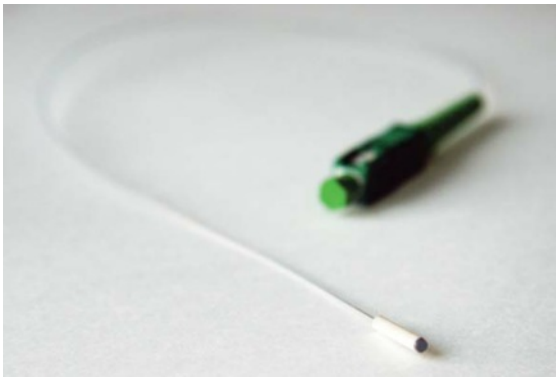
ALTHEN SENSORS & CONTROLS

bar OPP-B



Description

The OPP-B are MEMS-based fiber-optic pressure sensors designed for demanding applications. The OPP-B model is a bare fiber optic pressure sensor (no metal housing) for applications requiring minimally invasive in-situ pressure measurement.

Combined with the WLPI signal conditioning technology† and with the inherent advantages of fiber optic, the OPP-B deliver long term accuracy, durability, low drift and high fidelity pressure measurements in the harshest environments such as in presence EMI, RFI, high voltage, combustive/explosive and high temperature.

The OPP-B pressure sensor is available with different cables options customized according to client specific needs.

(Patent pending)

Compatibel with the WLPI series of signal conditioners

Key features

- Robust packaging
- EMI/RFI immunity; intrinsically safe
- Excellent accuracy (0.1%)
- Small size (6.35 mm with housing, 2.5mm or smaller without housing,)
- Low thermal shift (<0.01%FS/oC)

Applications

- High temperature environments
- Industrial process-control and monitoring applications
- High voltage environment
- Hazardous environments
- Aerospace and Defense
- Static or dynamic pressure measurements conducted under confined space, hazardous and strong EMI/RFI/MRI environments

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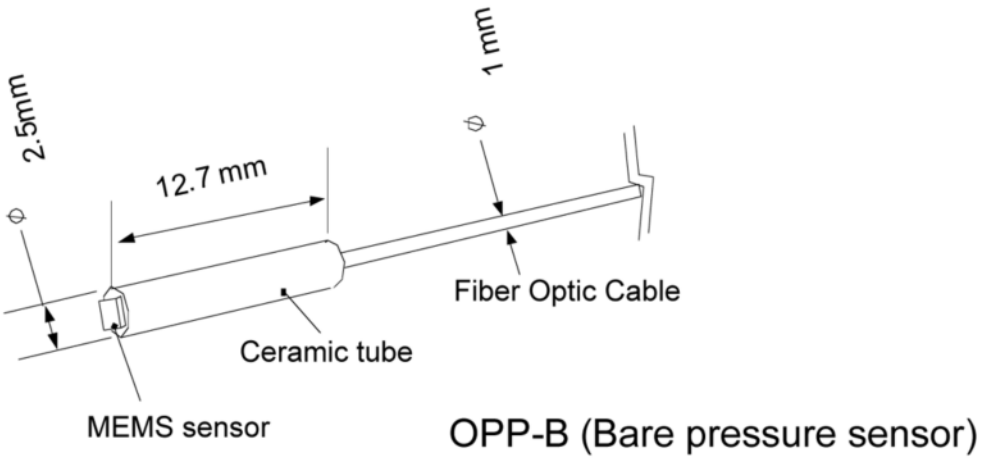
Dimensions in mm



Specifications

Pressure range	From 0-1 bar to 0-350 bar absolute (0-15 psia to 0-5000 psia)
Resolution	Range dependent (< 0.01% F.S. typical)
Precision	± 0.1% F.S.
Thermal coefficient of Zero	< 0.01% F.S / °C
Proof pressure	200% F.S
Operating temperature	Up to 100°C (Other range available on demand)
EM/RF/MR/MW susceptibility	Complete immunity
Cable length	1.5 meters standard (Other lengths available)
Optical connector	SC standard
Cable sheathing	Customer specifications
Signal conditioner compatibility	All Opsens WLPI signal conditioners

All specifications are subject to change without prior notifications

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The information provided herein is to the best of our knowledge true and accurate, it is provided for guidance only. All specifications are subject to change without prior notification.

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