

Fibre Optic Pressure Sensor YOSC-OFPT-M

YOSC-OFPT-M fibre optic pressure sensor is a high temperature and high precision pressure sensor specially designed for petrochemical and other fields etc., with the characteristics of passive, electromagnetic interference resistance, corrosion resistance, high temperature and high pressure resistance and can be accurately monitored for a long time.



It is equipped with a fusion box and adopts a metal to metal sealing connection design, which can achieve the connection and sealing between the fibre optic pressure sensor and the 1/4 armored optical cable. It is fully suitable for the long-term monitoring of underground annulus, pipeline or port pressure.

+ Features

- Metal sealing design, capable of essential safety in industries such as petrochemicals
- Intrinsic safety, corrosion and impact resistance
- Passive online monitoring, electromagnetic interference resistance
- Long distance optical signal transmission, small size, and easy installation
- High measurement accuracy, long-term stable monitoring, and good linearity

+ Applications

- Liquid pressure measurement
- Dynamic gas pressure measurement
- Petroleum pressure measurement

+ Parameters

Items	YOSC-OFPT010-M1	YOSC-OFPT040-M1	YOSC-OFPT070-M1
Work Pressure(psi/Mpa)	1450/10	5800/40	10150/70
Pressure resolution		0.05%FS	
Pressure accuracy		0.5%FS	
Working temperature		-40~200°C	
Temperature resolution		0.05°C	
Temperature accuracy		±0.5°C	
Center wavelength		C-band(1525-1565nm)	
External dimension		Approximately Φ20x215mm	
Weight		Approximately 300~500g	
Material		316L stainless steel/Inconel718	
Fibre optic cable type		Φ1/4 steel pipe	
Installation method		Secure with screws and protective clips	