

Fibre Optic Hydraulic Sensor YOSC-OFP-M

YOFC-OFP-M fibre optic hydraulic sensor is a high-precision pressure sensor used for liquid and gas measurement, with passive, electromagnetic interference, corrosion and shock resistance characteristics, for long-term accurate monitoring. The shell adopts all-metal design, IP65 seal protection, and is equipped with a fusion box, which can be remotely monitored online, fully suitable for the long-term pressure monitoring needs of oil wells, oil tanks, or pipelines.



+ Features

- IP65 seal design, competent 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-OFP006-M1	YOSC-OFP100-M1	YOSC-OFP600-M1
Range	0.6MPa	10MPa	60MPa
Resolution	0.03%FS	0.03%FS	0.05%FS
Accuracy	0.3%FS	0.3%FS	0.5%FS
Working temperature	-40~80°C		
Center wavelength	C-band(1525-1565nm)		
Shell protection	IP65		
External dimension	Φ20×70mm		
Weight	Approximately 400~600g		
Material	Stainless steel		
Fibre optic cable type	Armored optical cable		
Fibre optic interface	FC/APC or fusion welding		
Installation method	M20x1.5, G1/2, G1/4, etc.		