

# NeoPerm



## A Typical System

- Downhole Pressure Gauge
- Gauge Carrier
- Electric Cable
- Cable Protectors
- Cable Head Adapter and Seal Accessories
- Surface Data Acquisition System

## Applications

- Long Term Reservoir Monitoring
- Offshore Data Monitoring
- Critical Well Monitoring
- Remote Well Monitoring
- Multi-Zone Well Monitoring

The NeoPerm permanent gauge system is designed to monitor downhole reservoir pressure and temperature in production optimization and management of oil and gas assets. Customers can choose either single gauge single channel or multi-gauge multi-channel configurations. The real-time downhole data can be stored in a surface box at well sites or/and can be transmitted to remote locations.

In order to accommodate different applications and budgets, system components such as gauge transducers, cable types, and gauge carriers should be designed case by case in order to optimize energy resources and economical outcomes.

Specification		
Sensor Type	Silicon-Sapphire	Quartz
Pressure Accuracy	±0.03% (full scale)	±0.015% (full scale)
Temperature Accuracy	±0.5°C	± 0.15°C
Overall Length	8" (203 mm)	15"(381 mm)
Pressure Ranges	Up to - 25000 psi	
Pressure Resolution	0.0003%	
Pressure Drift	< 3 psi / year	
Temperature Rating	125°C / 150°C / 177°C/200°C	
Temperature Resolution	0.01°C	
Power Source	24 V DC	
Communication	USB/RS232	
Data Set Contents	Time / pressure / temperature	
Display Mode	liquid crystal	
Outside Diameter	1.0" (25.4 mm) / 1.25" (31.8 mm)	
Work mode	SRO	
Service	H <sub>2</sub> S service	
Housing Material	Inconel 718 / Stainless Steel 17-4	
Sample rate	1 second to any longer period	

