

SHALE-CBM-WATER-OIL WELLS

Oxford Analog Gauge



DATASHEET

Product Description

The Oxford Analog Gauge is a versatile monitoring solution for de-watering applications such as Coal-Bed Methane (CBM) and Shale Gas. It is also highly suited to cost sensitive, low temperature oil and water well applications.



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Downhole

The Oxford Analog Gauge is designed to perform reliably in a downhole environment and has been rigorously tested to withstand high vibration. The gauge cable head and connection can be pressure tested prior to deployment in the well. The gauge is typically held in a carrier which is clamped on to the outside of the production tubing where it measures pressure in the annulus. An instrument cable is connected to the top of the gauge and is normally banded to the tubing and protected across the raised faces of the tubing joints and collars by a cross-coupling cable protector.

Surface

The gauge provides a reliable 4-20mA loop signal at surface which can be connected directly into the analogue input port of the Oxford™ surface controller or any compatible 3rd party equipment.

Depending on the power loop configuration and the analogue input port, it may be necessary to have a separate current limiting or isolating power supply to power the gauge*. The gauge is designed with a wide input voltage band to cover the most common power supplies available for 4-20mA monitoring.

* Available from Oxford Monitoring Solutions and third-party suppliers.

Specification

Dimensions		
Diameter	1.34" (3.4cm)	
Length	5.27" (13.4cm)	
Weight	1.32lbs (0.6Kg)	
Material		
Gauge Body	Stainless steel (SS316)	
Connector	Stainless steel (SS316)	
Operating Parameters		
Pressure Range	0-1000psi	0-2000psi
Supply	V: 8 to 30 VDC	I: 4 to 20mA
Sample Rate	Continuous	
Data Signal	Analog	
Pressure Sensor		
Accuracy	0.1% FS	
Drift	<1.2psi / year	
Resolution	0.1psi	