GAS-PCP-JET-ROD LIFT SYSTEMS
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.

- Temperature rating up to 125°C
- Compatible with all sizes and types of tubing strings
- Pressure rating up to 3,000psi
- Fully welded design with pressure testable gauge head

Downhole

The Oxford Analog Gauge is designed to perform reliably in a wide range of downhole environments and was independently tested at a UKAS accredited environmental test laboratory with testing performed in accordance with the AWES 'Recommended Practice for the Qualification of Downhole Instrumentation/Sensors'. A gauge cable-head assembly enables the gauge connection to 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 tubing/casing 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 analog input port of the Oxford surface controller or any compatible 3rd party equipment. Depending on the power loop configuration and the analog input port, it may be necessary to have a separate current limiting or isolating power supply to power the gauge[1]. The gauge is designed with a wide input voltage band to cover the most common power supplies available for 4-20mA monitoring.

Specification[2]

					Accuracy	Resolution
Pressure range(s)	1,000psi	1,500psi	2,000psi	3,000psi	+/-0.1% FS	0.1psi
Temperature rating(s)	100°C (212°F)				125°C (257°C)	
Diameter	1.00" (25.4mm)					
Material	Body: SS316				Connector: SS316	
Supply Voltage	24VDC +/-10%					
Data Signal	4-20mA					
Length	9.06" (230mm)					
Weight	1.32lbs (0.60Kg)					

[1] Available from Oxford Monitoring Solutions and third-party suppliers.
[2] Specifications are subject to change. Alternative specifications are available upon request.

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