PRODUCTION-OBSERVATION WELLS
Oxford Permanent Gauge

Oxford Monitoring
S O L U T I O N S

DATASHEET

Permanent Gauge with clamp-on
gauge carrier and ported collar

Product Description

The Oxford Permanent Gauge brings Simplicity, Reliability and Sophistication together into one design that features the very latest in advanced downhole monitoring technology, providing operators with access to valuable downhole data to enhance field production though controlled water injection management and artificial lift optimization.

- Available with 212°F, 257°F and 302°F temperature ratings
- Compatible with all sizes and types of tubing strings
- Available with 1450psi, 2900psi and 5800psi sensor options
- Fully welded design with pressure testable gauge head

The Oxford Permanent Gauge is available with single or dual pressure measurement. The single pressure gauge offers the choice of 'annulus' **or** 'tubing' pressure and temperature (**Pi, Ti**), in addition to tri-axis vibration (**Vx, Vy, Vz**) and peak vibration (**Vpk**). The dual pressure gauge offers the above parameters, but includes 'annulus' **and** 'tubing' pressure & temperature measurements (**Pd, Td**).

The Oxford Permanent Gauge is designed to perform reliably in a wide range of downhole environments. The 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 the annulus and/or tubing pressure and temperature. 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.

Specification

Parameter	Rating			Accuracy	Resolution
Pressure	100bar	200bar	400bar	+/-0.1% FS	0.1psi
Temperature	100°C	125°C	150°C	+/-1% FS	0.1C
Vibration	+/-16G			+/-1% FS	0.01G

Diameter	1.34" (34mm)	
Length	14.57" (370mm)	25.19" (640mm)
Weight	4.4lbs (2Kg)	8.8lbs (4Kg)
Material	Body: 13Cr	Connector: SS316
Supply	V: 12 to 24 VDC	I: 5 to 10mA
Data Signal	Continuous	