

DATASHEET

**Product Description**

The slimline Oxford ESP Gauge is a reliable field proven system that incorporates the latest in engineering, manufacturing and quality principles to deliver a trusted solution that can be deployed time and again with confidence. Fast data update rates provide downhole visibility, capturing events as they happen, enabling real-time well management and optimization at surface, whilst high-accuracy sensors and high-resolution measurements provide meaningful data for interpretation, analysis and ESP management.

Key Features

- QuickStart
- Variable speed telemetry*
- Slimline 3" OD
- On-board diagnostics
- Pressure rating up to 5,800psi

Standard parameters include pump intake pressure (**Pi**), pump intake temperature (**Ti**), motor temperature (**Tm**), two-axis vibration (**Vx**, **Vy**) and current leakage (**Cl**). Optional upgrades include a 5,800psi rated sensor to measure pump discharge pressure (**Pd**).

All Oxford ESP gauges feature an on-board diagnostics system (**OBD**) and provide health indicators including signal quality (**Sq**), signal level (**Sl**), gauge current (**Ct**) and packet counter (**Pk**).

Specification**

Parameter	Rating	Accuracy	Resolution
Intake Pressure	5 800psi	+/-0.1% FS	0.01psi
Intake Temperature	150°C	+/-1C	0.01C
Motor Temperature	300°C	+/-1C	0.01C
Discharge Pressure	5 800psi	+/-0.1% FS	0.1psi
Motor Oil Pressure	5 800psi	+/-0.1% FS	0.1psi
Vibration	+/-16g	+/-1% FS	0.001g
Current Leakage	25mA	+/-0.2% FS	0.01mA
Material	13Cr stainless steel		
Diameter	3" [76mm]		
Length	30" [775mm]		
Weight	42lbs [19Kg]		
Top Connection	3" 6-hole male flange		
Bottom Connection	1.900 NU 10 RND Box		
Maximum operating pressure(s)	7,500psi		
Maximum AC operating Voltage	3kV phase-to-ground [5kV phase-to-phase]		
Insulation test rating	Reverse polarity 5kV DC (max) for 10s. 2.5kV recommended test voltage		
Certification	IEC 61010-1:2010 + AMD1:2016		IEC 61010-1:2010 + A1:2019
Standards	ISO9001:2015		

* First generation variable speed telemetry. **Specifications are subject to change. Alternative specifications are available upon request.