

# MODEL SS-08/SS-08A OXYGEN SENSOR OPERATING SPECIFICATIONS

**Part Number: 980-1005-02 SS-08**  
**980-2002-02 SS-08A**

## SENSOR SPECIFICATIONS

Operating Principle .....	Galvanic Fuel Cell
Primary Sensitivity .....	Partial Pressure O <sub>2</sub>
Range .....	0 – 100% O <sub>2</sub>
Output (@ 20.9% O <sub>2</sub> ).....	8.0 to 15.0 mV
Response Time (90%) .....	7 sec ( per ISO/DIS 7767)
Temperature Compensated .....	Yes
Electrical Connection .....	4 Way FCC-68 Teleconnector
Mechanical Connection.....	M16 x 1 Thread
Warranty .....	12 Months *
Min. Required Circuit Impedance:.....	2 kΩ
Linearity .....	± 1% of full scale when calibrated @ 100%O <sub>2</sub>
Operating Temperature.....	0 to 40°C (32 to 104°F)
Humidity Range .....	0 – 100% non-condensing
Effects of Relative Humidity .....	-0.03%, relative O <sub>2</sub> , per % of relative humidity @ 25°C
Zero Output.....	< 0.4 mV in 100% pure N <sub>2</sub>
Ambient Pressure .....	600 – 1300 kPa

Specifications @ 21 to 25°C (70 to 77°F) and 760 mmHg

\* From date of shipment