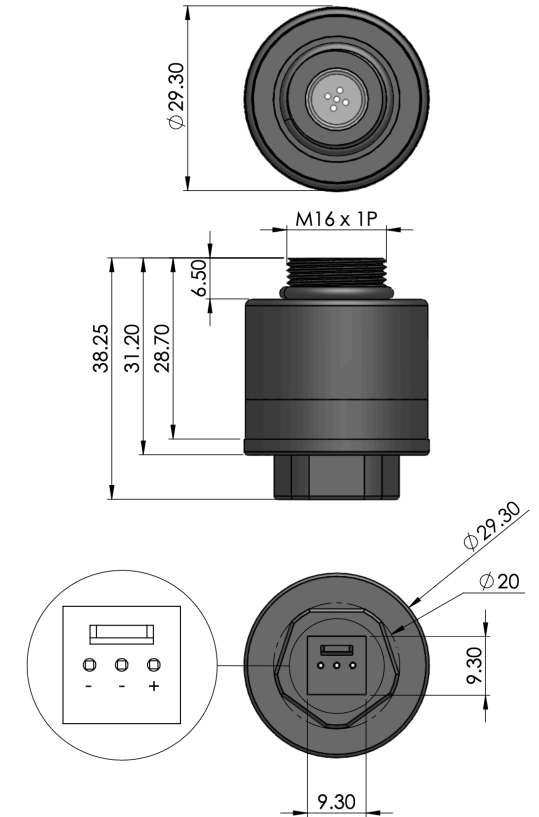


Introduction The S+EOX is a partial pressure O₂ sensor suitable for use in Industrial applications

Key Features: Fast response, highly stable, 0-100% measurement range, on-board temperature compensation

Performance Characteristics	
Output signal	9-14mV in Air @STP
Zero Current (uV)	< 0.20uV
T90 Response Time	<10 seconds
Signal in 100%O ₂	100%±1%O ₂
Measurement Range	0 - 100% Oxygen
Temperature Compensation (20-40°C) (5-40°C)	<0.5%O ₂ <1%O ₂
Linearity	Linear
Recommended Load Resistor	Min 10KOhms

Environmental Details	
Temperature Range Continuous	-20°C to +50°C
Pressure Range	500 to 2000 mbar
Operating Humidity Range	0-99% non condensing



Product Dimensions
All dimensions in mm
All tolerances ± 0.15 mm

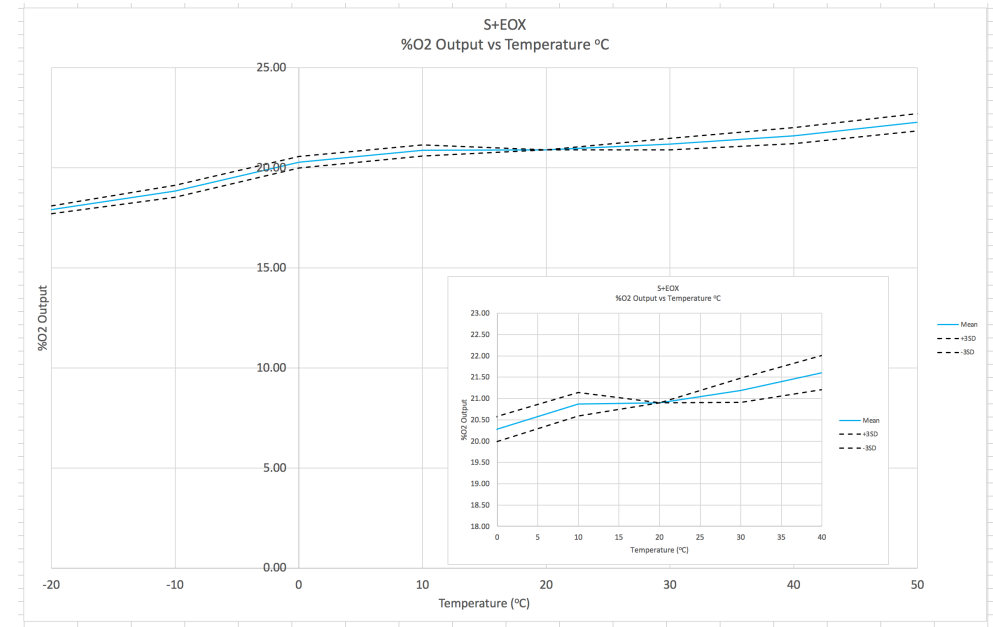
Important Note:
All performance data is based on conditions at 20°C, 50%RH and 1 atm, using DD Scientific recommended circuitry.

Lifetime Details

Long Term Output Drift	< 5% per annum
Recommended Storage Temp	0°C to 20°C
Expected Operating Life	1.6m%O ₂ hrs in AIR STP
Standard Warranty	24 months from date of dispatch

Intrinsic Safety Data

Maximum current in normal operation (pure O ₂)	0.01 A
Maximum o/c Voltage (10 to 100% O ₂)	0.9 V
Maximum s/c Current (10 to 100% O ₂)	0.5 A



Acid Gases

DD-Scientific oxygen sensors are not suitable for continuous operation in concentrations of CO₂ above 25%.

WARNING: By the nature of the technology used, any electrochemical gas sensor offered by DD Scientific can potentially fail to meet specification without warning. Although DD Scientific Ltd makes every effort to ensure the reliability of our products of this type, where life safety is a performance requirement of the product, we recommend that all sensors and instruments using these sensors are checked for response to gas before use.

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