

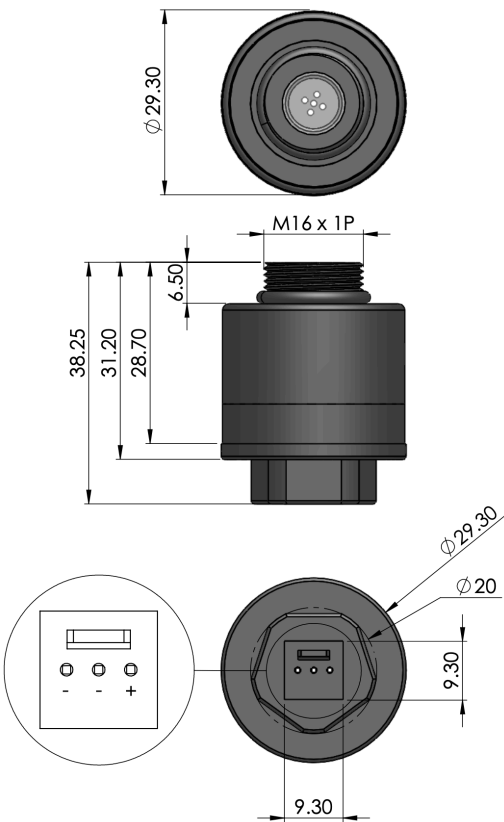
Introduction The S+DOX is a partial pressure O2 sensor with linear output from 0-100%O2, optimised for ventilators

Key Features: Fast response, 0-100% measurement range, on-board temperature compensation, low drift. CE approved.

Performance Characteristics	
Output signal	9-13mV in Air @STP
Zero Current (Offset)	< 200uV
T90 Response Time	< 10 seconds
Measurement Range	0 - 100% Oxygen
Temperature Compensation (0-40oC)	<2%O2
Linearity	Linear 0-100% Oxygen
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

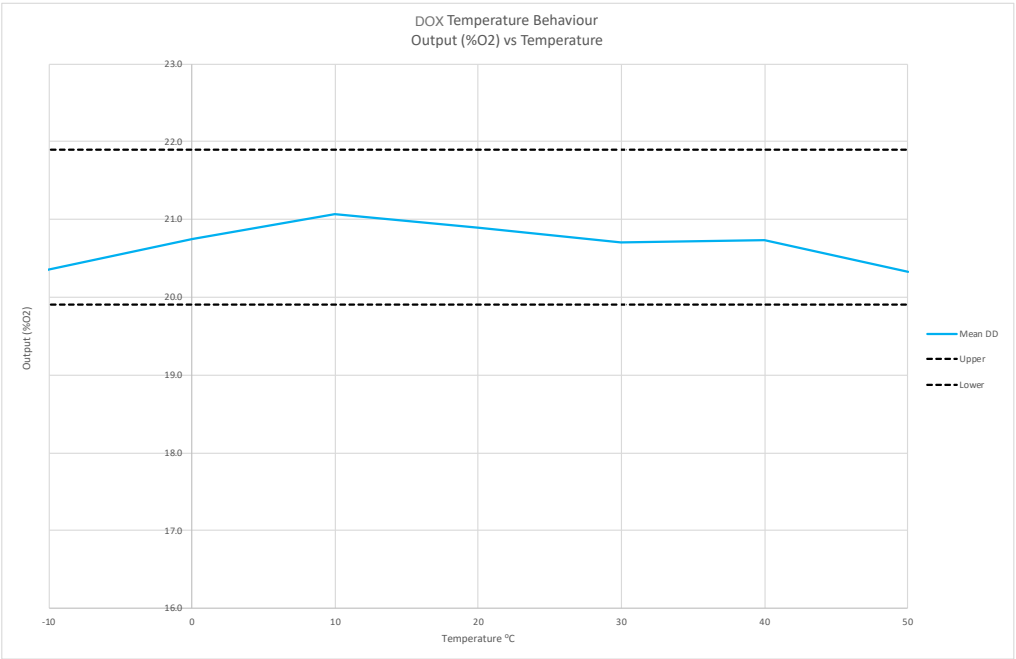
Important Note:
All performance data is based on conditions at 20°C, 50%RH and 1 atm, using DD Scientific recommended circuitry.



Product Dimensions
All dimensions in mm
All tolerances ± 0.15 mm

Lifetime Details	
Long Term Output Drift	< 5% per annum
Recommended Storage Temp	0°C to 20°C
Expected Operating Life	375000%O2hrs @20oC
Standard Warranty	12 months from date of dispatch

Intrinsic Safety Data	
Maximum current in normal operation (pure O2)	0.01 A
Maximum o/c Voltage (10 to 100% O2)	0.9 V
Maximum s/c Current (10 to 100% O2)	0.5 A



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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