

Oxygen Gas Sensor

Product Data Sheet Model #SS2118

2025. Ver 1.0

Applications & Features

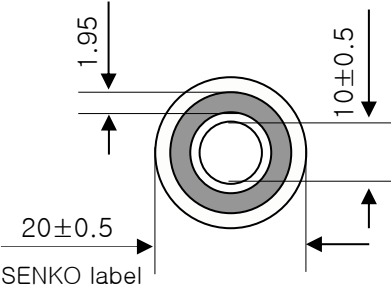
- Ideal for portable instrument
- Industrial safety (ambient air monitoring applications)
- Combustion efficiency analysis
- Etc.



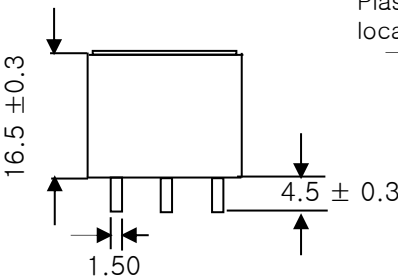
Specifications

Performance Characteristics	
Sensor Type	Galvanic cell (lead-oxygen battery)
Measurement Range	0~25% Oxygen
Maximum Overload	30% Oxygen
Output Signal	90±20 μ A in air
Response Time (T90)	< 15 sec for 90% response
Zero current (offset)	< 0.6% vol O ₂
Linearity	Linear
Recommended Load Resistor	100 ohms
Bias Voltage	0 mV
Environmental	
Temperature Range Continuous	-20°C to +50°C
Pressure Range	800 to 1200 mbar
Operating Humidity Range	5% to 95% RH
Lifetime	
Long Term Output Drift	≤ 5% per annum
Recommended Storage Temp	0°C to 20°C
Expected Operating Life	≥ 24 months in air
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

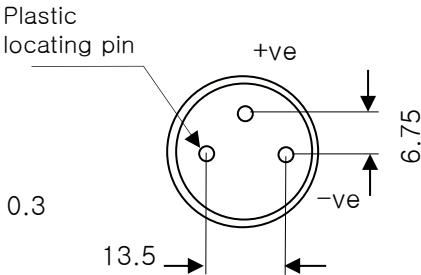
Dimension



TOP view



SIDE view



BOTTOM view

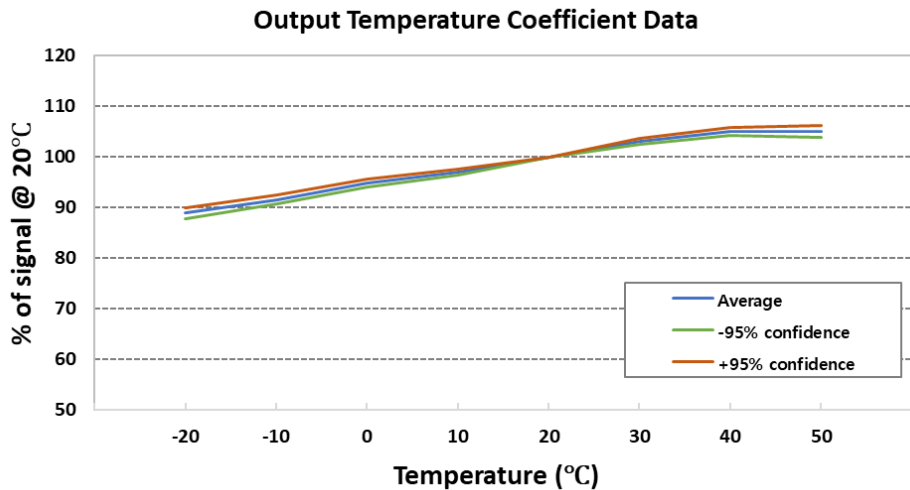
Due to ongoing research and product improvement, specifications are subject to change without notice.

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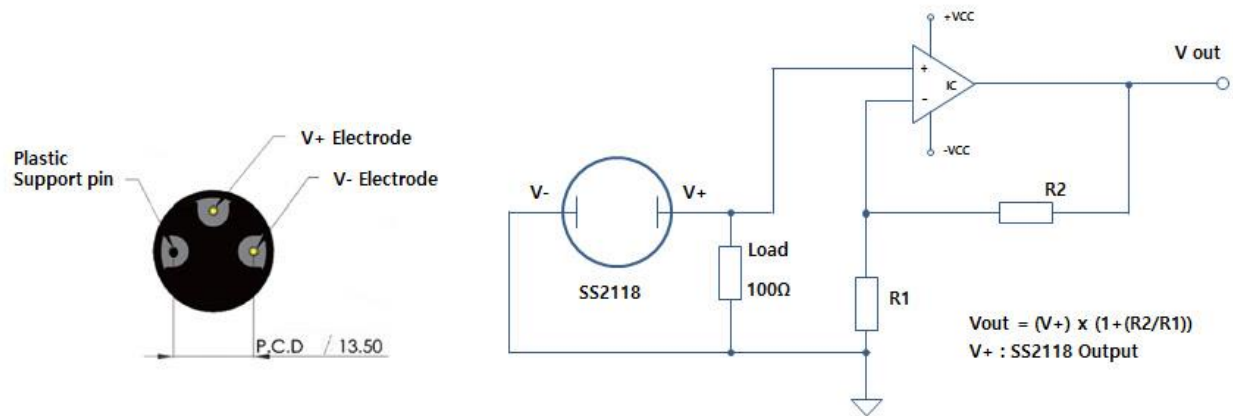
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Temperature Effects



Standard Operating Circuit



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