2024. Ver 1.1

Applications

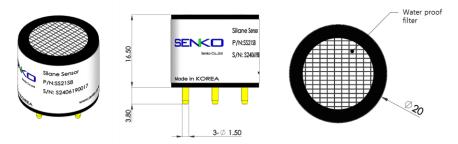
- Ideal for fixed instrument
- Industry safety (Semiconductor production)
- Ftc



Specifications

Performance Characteristics					
Output Signal	300±150 nA / ppm				
Typical Baseline Range (pure air)	±0.5 ppm SiH ₄ equivalent				
T90 Response Time	< 50 seconds				
Measurement Range	0-20 ppm				
Maximum Overload	40 ppm				
Linearity	Linear				
Repeatability	< ±5% of signal				
Recommended Load Resistor	10 ohms				
Resolution (Electronics Dependent)	< 0.1 ppm typical				
Environmental					
Temperature Range Continuous	-20°C to +50°C				
Pressure Range	800 to 1200 mbar				
Operating Humidity Range	15% to 90% RH				
Life Time					
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 at 40ppm	10 μA				
Maximum o/c Voltage	<1.0 V				
Maximum s/c Current	<0.1 A				

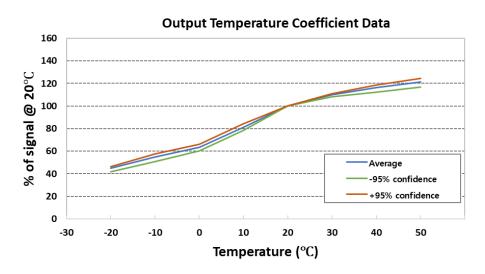
Dimension



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

2024. Ver 1.1

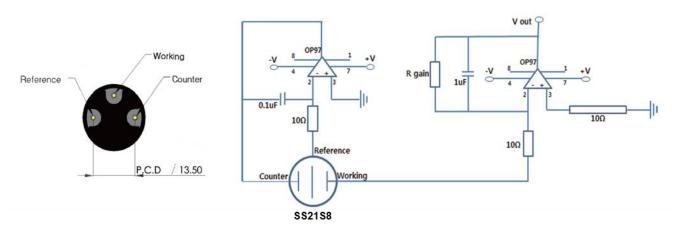
Temperature effects



Cross sensitivity

Gas	Concentration [ppm]	Reading [ppm]	Gas	Concentration [ppm]	Reading [ppm]
Silane	10	10	Nitrogen Dioxide	50	< -10
Carbon Monoxide	100	0	Diborane	5	< 5
Hydrogen	5,000	< 2	Hydrogen Chloride	10	< 0.5
Hydrogen Sulfide	50	< 8	Phosphine	5	< 3
Sulfur Dioxide	20	< 2	Arsine	5	< 2
Chlorine	10	< 0.1			

Standard operating circuit



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