

Alcohol Gas Sensor

Product Data Sheet
Model #SS21A8

2023. Ver 1.1

Applications

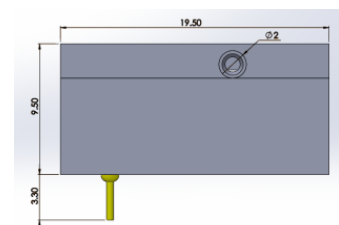
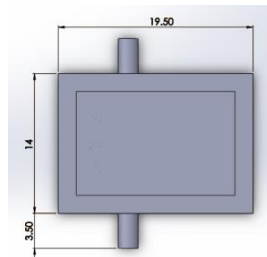
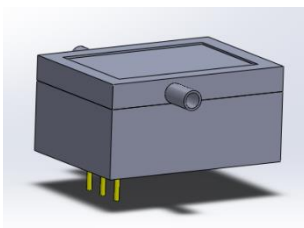
- Ideal for portable instrument
- Alcohol detector applications
- Etc.



Specifications

Performance Characteristics	
Output Signal	Depends on sample volume
Measurement Range	0~0.4% BAC
Maximum Overload	0.6% BAC
Response Time (Clear to 5% of peak)	~ 10 seconds
Linearity	Linear
Repeatability	$\leq \pm 3\%$
Recommended Load Resistor	10 ohms
Resolution (Electronics Dependent)	$\leq 0.001\%$ BAC
Environmental	
Temperature Range Continuous	-20°C to +50°C
Operating Humidity Range	15% to 90% Rh
Life Time	
Long Term Output Drift	$\leq 5\%$ 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

Dimension

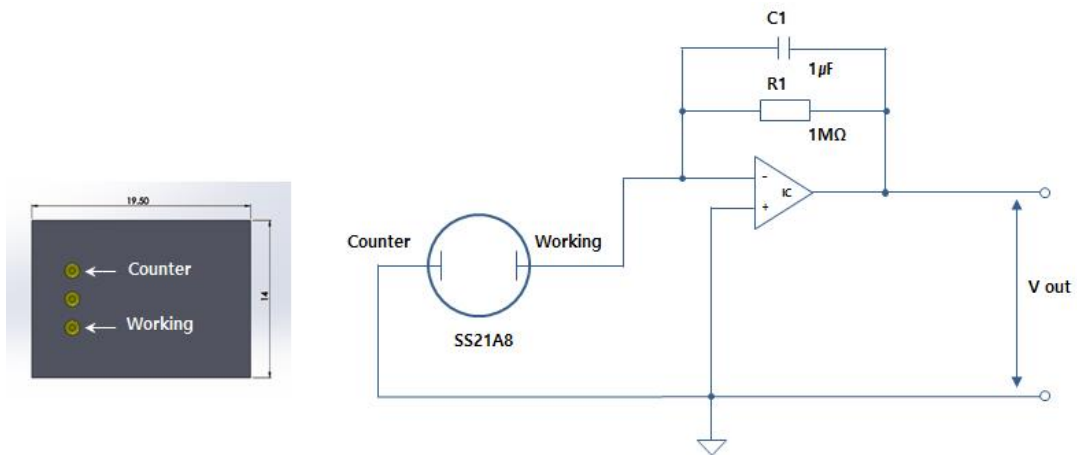


Due to ongoing research and product improvement, specifications are subject to change without notice

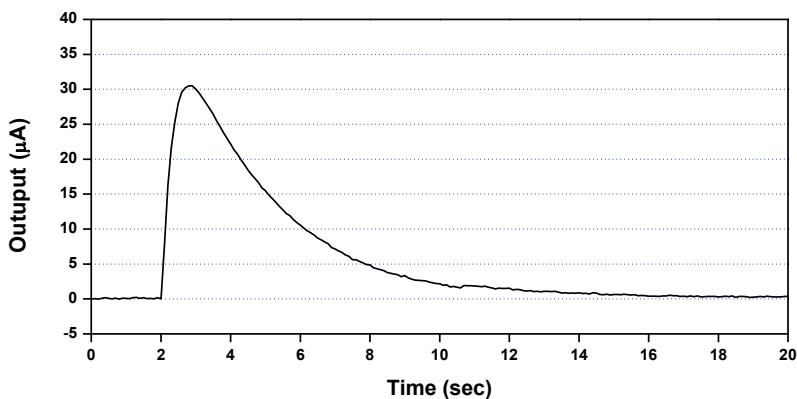
Cross-sensitivity

Gas	Concentration [ppm]	Reading [ppm]
Ethanol	200	200
Ammonia	200	0
Hydrogen Sulfide	100	0
Acetaldehyde	200	<30
Toluene	200	<25
Carbon monoxide	500	0

Standard operating circuit



Typical Output



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