

# Formaldehyde(CH<sub>2</sub>O) Gas Sensor

Product Data Sheet  
Model #SS21F8

## Applications

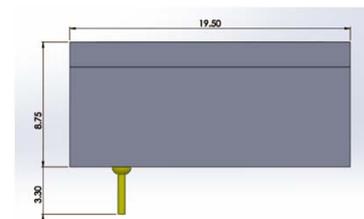
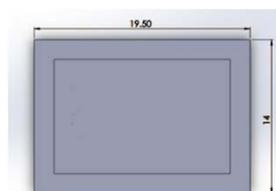
- Ideal for portable instrument
- Indoor air monitoring applications
- Etc.



## Specifications

Performance Characteristics	
Output Signal	200±50 nA / ppm
Typical Baseline Range (pure air)	≤ ±2 ppm
T90 Response Time	<60 seconds
Measurement Range	0-1,000 ppm
Maximum Overload	2,000 ppm
Linearity	Linear
Repeatability	≤ ±3%
Recommended Load Resistor	10 ohms
Resolution (Electronics Dependent)	≤ 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 2,000ppm	0.3mA
Maximum o/c Voltage	<1.3V
Maximum s/c Current	<1.0A

## Dimension



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