



SemeaTech 

Gas Sensors Radiation Sensors

www.semeatech.com



Photo-Ionization Detection

www.senovol.com

PID for VOC Monitoring

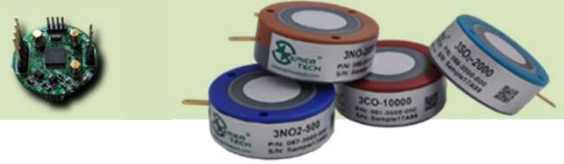


SENOVOL
CORPORATION



Electrochemical Gas Sensors

- Complete offerings for D, 3, 4, and 7-Series EC Gas Sensors:
CO H2S O2 H2 C2H4 (ETO) SO2 NO2 NO NH3 PH3 CLO2 CL2 HCL HCN CH3SH THT
C2H3CL (VCM) O3 HF CH2O C2H2 C2H4 AsH3 and more...
- NH3 sensors with 5-year operating life and non-depleting regardless of ambient ammonia concentration
- SO2 sensors with long-term stability, minimized cross-sensitivities and environmental dependencies
- O2 sensors designed for 5-year operating life and lead-free
- H2S sensors designed to work at 65 °C for 2 years
- CH2O (formaldehyde) sensors with high selectivity
- Smart module available for digital output (UART and I2C)



Air Quality Monitoring Sensors

- 4-electrode EC sensors in 7-series platform: CO, SO2, O3, NO2, NO, H2S, and NH3
- Detecting air pollutants and odors in ppb resolution
- High stability and low environmental impact
- Smart module available for digital output (UART and I2C)



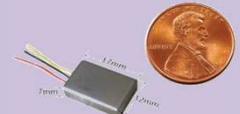
NDIR CO2 Sensors

- Low-cost, high-performance dual channel with automatic calibration
- Optional detection ranges from 400 to 300,000 ppm
- Detection accuracy: ± 50 ppm $\pm 5\%$ reading
- Output mode: UART, PWM, and I2C



Radiation Sensors

- Cesium-Iodine crystal for gamma and X-ray detection
- High sensitivity and reliable response
- Durable and guaranteed for a minimum 5-year operating life



LEL Sensors

- Catalytic bead technology
- High performance and low cost
- Smart module available for digital output (UART)



PID and UV Lamps

- Detection range: 10 to 10,000 ppm (isobutylene)
- No significant output sensitivity loss over the sensor lifespan
- Non-electrode UV lamp technology maximizing the lamp lifespan
- Designed for minimized humidity and temperature effects
- Consistent resolution (including the 1 ppb model) over the sensor lifespan
- Low strike voltage supporting the on-and-off duty cycle of PID gas monitors
- High-quality stainless steel enclosure

