

GasLab SAN-100 Micro Carbon Monoxide Monitor

The GasLab SAN-100 is a wearable, personal safety meter designed to monitor ambient concentrations of carbon monoxide (CO) in real time. CO gas poisoning is the most common type of fatal poisoning in the world.

FEATURES

- Light Silicone boot and convenient metal clip
- Electrochemical sensor, no consumable parts
- Displays peak CO level until reset
- Lithium-ion rechargeable battery
- USB Charging port
- Runs 10+ days per charge



CO SENSOR CROSS-SENSITIVITY

Electrochemical sensors are cross-sensitive to specific gases other than the target gas of interest. While cross-sensitivities are limited, as much as possible by sensor design, some interactions still exist. The table below shows the most common cross-sensitivities.

Gas	Gas Concentration	SAN-100 Reading
H2	200ppm	40ppm
C2H4 (Ethene)	100ppm	80ppm
NO	35ppm	6ppm
SO2, H2S, NO2, C2H6O	20ppm	0ppm

SPECIFICATIONS

Measurement Range	0~1,000ppm
Resolution	1ppm
Temperature Range	-4°F to 122°F (-20 to 50°C)
Humidity Range	15 to 90%RH
Temperature Drift	0.35%/°C
Baseline Drift (-20-40°C)	≤10ppm
EC Sensor Expected Lifespan	24 months
Operating Conditions	-4°F ~ 122°F (-20°C ~ 50°C), 15~90% RH non-condensing
Storage Conditions	-4°F to 140°F (-20°C ~ 60°C), <99% RH non-condensing
Power Supply	Li-ion battery (4.2V, 400mAh)
Dimensions	2.36 x 1.38 x 0.98 inches (60x35x25mm)
Weight	1.41 oz. (40 grams)