

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

- CO measurement range of 0-1000ppm
- Silicone boot and metal clip are light and comfortable to wear
- 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 |
|---|-------------------|-----------------|
| H ₂ | 200ppm | 40ppm |
| C ₂ H ₄ (Ethene) | 100ppm | 80ppm |
| NO | 35ppm | 6ppm |
| SO ₂ , H ₂ S, NO ₂ , C ₂ H ₆ O | 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) |