

# Personal Formaldehyde Monitor

The CO2Meter SAN-103 is a wearable, personal safety meter designed to monitor formaldehyde concentrations (CH<sub>2</sub>O or H-CHO) in real time. Formaldehyde is a colorless, poisonous, highly water-soluble gas with an obnoxious odor. At high levels over time, it is a known carcinogen.



## FEATURES

- Real-time monitoring of formaldehyde concentration in ppm or mg/m<sup>3</sup>
- Audible and visual high formaldehyde level alarm
- Silicone boot and metal clip are light and comfortable to wear
- Electrochemical sensor, no consumable parts
- Includes ambient temperature and % relative humidity sensors
- Lithium-ion rechargeable battery. USB Charging port
- Runs 4+ days per charge



## SPECIFICATIONS

### HCHO Sensor Specifications

Measurement Range	0 to 5.0ppm
Resolution	0.1ppm
Temperature Range	14-104°F (-10°- 40°C)
Humidity Range	15 to 90% RH
Baseline Drift (20-40°C)	0.0ppm
Response Time	< 30 seconds

### Temperature Sensor Specifications

Temperature Range	14 to 140°F (-10.0 to 60.0°C) display
Display Resolution	0.1°F (0.1°C)
Display Options	°C/°F (switchable)
Accuracy	±0.9°F (±0.5°C)
Response Time	5~30 seconds (device must equilibrate with environment)

### Humidity Sensor Specifications

Measurement Range	0.0 to 99.9% RH
Display Resolution	1% RH
Accuracy	±4.5% RH
Response Time	< 8 seconds for 63% of step change

### General

Operating	14°F to 104°F (-10°C to 40°C), 15~90% RH non-condensing
Storage	14°F to 140°F (-10°C to 60°C), < 99% RH non-condensing
Power Supply	Li-ion battery (4.2V, 400mAh)
Dimensions	2.36 x 1.38 x 0.98 in. (60x35x25mm) Weight 1.41oz. (40 grams)



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