

MACURCO

GAS DETECTION

Portable Single-Gas Monitor

OX-1 Oxygen
HS-1 Hydrogen Sulfide
CM-1 Carbon Monoxide

Safety
Made Simple



Move Forward with Confidence

Move forward with confidence, and reduce your maintenance costs with the new Macurco Single-Gas Series. An innovative family of portable single-gas monitors that are user-friendly and affordable. With a low maintenance and compact size, the Macurco Portable Single-Gas Monitor helps you detect potentially hazardous levels of **O₂**, **H₂S** or **CO** gas. It provides you with reliable, continuous 2-year performance at an affordable price.

Alarm System

Audible, visual, and vibrating alarms give you the notice you need to appropriately respond to the presence of targeted gases.



Easy Operation

With the push of a button, gas and peak readings, and alarm set points instantly appear in the display.

Compact Size

Engineered to go anywhere, it can be easily clipped to your pocket, belt or hardhat.



AUTHORIZED DISTRIBUTOR:
GasDetectorsUSA.com
Houston, Texas USA
sales@GasDetectorsUSA.com
832-615-3588

Single-Gas Series Specifications

- **Size:** 3.2 x 2.0 x 1.2 in. (8.1 x 5.1 x 3.1 cm)
- **Weight:** 4.1 oz. (115 g)
- **Ingress Protection Rating:** IP54
- **Readout:** Direct read LCD
- **Sensor:** Electrochemical
- **Keypad:** One button operation
- **Sensor Replacement:** Not replaceable
- **Operating Humidity:** 15 – 90% (non-condensing)
- **Operating Temperature:** -4 to 122°F (-20°C to 50°C)
- **Test Function:** Self-test on circuitry, battery and alarms.
- **Range:** 0-995 ppm (CO), 0-200 ppm (H₂S), 0-25% v/v (O₂)
- **Alarm Readings:** Low, High Alarms, Low Battery, Over Range
- **Intrinsic Safety:** CSA (US) - Class I, Div. I, Group A, B, C, D, T4A
- **Power:** Permanently mounted, non-rechargeable 3.6- volt Lithium battery
- **Operating Life:** 2 years from activation (maximum 36.5 alarm hours – 3 minutes/day)
- **Alarm Indicators Visual:** Flashing LCD display and Red LED, Audio: 85 dBA @ 1 foot (30.5 cm) buzzer, Tactile: Internal vibrator
- **Alarm Settings:** CO 35ppm (low) 200ppm (high), H₂S 10ppm (low) 15ppm (high), O₂ 19.5% (low) 23% (high)
- **Reading Resolution:** 5 ppm – Carbon Monoxide (Reading start at 20 ppm or greater), 5 ppm – Hydrogen Sulfide (Reading start at 10 ppm or greater), 0.5% v/v -Oxygen (Increments from 21 .0%)
- **Radio Frequency Protection:** <10% deviation of alarm level when subjected to 450MHz, 5 Watt Radio @ 2ft (61cm)

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The Macurco™ Single-Gas Monitor Series is designed to continuously monitor the ambient environment and notify the user if the level of the target gas reaches the alarm set point for the monitor. The device is designed to operate for two years and then be disposed of according to local regulations. The Macurco Single-Gas Monitor is available in three versions CM-1, HS-1 and OX-1 to monitor either Carbon Monoxide (CO), Hydrogen Sulfide (H₂S) or Oxygen (O₂).

The components of the Macurco Single-Gas Monitor are assembled in an ABS/PC plastic housing. Located on the front face of the unit is an ON/MENU button, the display (LCD), sensor inlet, audio alarm opening, visual alarm LED. On the back of the instrument is an alligator pocket/belt clip and a label containing the intrinsic safety information and serial number.

An internal microprocessor controls the indication and alarm functions in response to the signals received from an electrochemical sensor permanently mounted inside the unit. When turned on, it continuously monitors the ambient air that enters the sensor through the sensor inlet opening by the process of passive diffusion. If the level of the target gas detected by the sensor reaches a preset alarm point, the unit will alarm (see the specifications section).



Made in the U.S.A. with US and imported materials

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