

# 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.

### **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.

### **Flexibility**

Available in three different models with distinct features



# Single-Gas Series Specifications

## Standard Single-Gas Monitor

With a low maintenance and compact size, the Macurco Portable Single-Gas Monitor helps you detect potentially hazardous levels of O<sub>2</sub>, H<sub>2</sub>S or CO gas. It provides you with reliable, continuous 2-year performance at an affordable price.

## XL Single-Gas Monitor

The Macurco Single-Gas XL monitor offers all the simplicity, reliability and ease-of-use of our standard portable Single-Gas monitor with lower resolution and more flexibility and lifespan features. The Macurco Single-Gas XL monitor features a factory replaceable battery and sensor to help reduce total cost of ownership: instead of replacing your Macurco Single-Gas XL monitor in a few years, you can replace batteries or sensors – and that helps better predict future capital costs. The Macurco Single-Gas XL monitor also allows you to measure at a lower resolution. The Macurco Single-Gas XL monitor allows the choice of two additional alarm set points: Short Term Exposure Limit (STEL) and Time Weighted Average (TWA) exposure (H<sub>2</sub>S and CO). With its 2-year warranty on electronics, battery and H<sub>2</sub>S and CO sensors, the Macurco Single-Gas XL monitor is designed to deliver for the long term.

## XLS Single-Gas Monitor

The Macurco Single-Gas XLS monitor takes all the advances packed into the Macurco Single-Gas XL monitor and adds another: four different user selectable alarm settings. The Macurco Single-Gas XLS monitor gives you the flexibility to adjust the alarm to suit your specific needs in a variety of working environments. Its combination of the STEL alarm, TWA alarm and adjustable CO sensor alarm settings you can change in the field, allowing you to focus on the job at hand.

• **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

(standard model), replaceable sensor

(XL and XLS models)

• **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 (H<sub>2</sub>S), 0-25% v/v (O<sub>2</sub>)

• **Alarm Readings:** Low Alarms and High Alarms, STEL Alarm

(XL and XLS models only) TWA Alarm (XL and XLS models only)

Field adjustable alarm settings for CO: 25 ppm, 35 ppm; 50 ppm; 100 ppm (XLS model only)

• **Intrinsic Safety:** UL (US) - Class I, Div. I, Group A, B, C, D, T4

• **Power:** Non-replaceable battery (standard model), replaceable 3.6-volt Lithium battery (XL and XLS models)

• **Operating Life:** 2 years/maximum 36.5 alarm hours – 3 mins. per day (standard model) 2-year typical battery life expectancy (XL and XLS models)

• **Alarm Indicators Visual:** Flashing LCD display and Red LED, Audio: 85 dBA @ 1 ft. (30.5 cm) buzzer, Tactile: Vibrator

• **Standard Alarm Settings:** CO 35 ppm (low) 200 ppm (high), H<sub>2</sub>S 10 ppm (low) 15 ppm (high), O<sub>2</sub> 19.5% (low) 23% (high)

• **Reading Resolution:** 5 ppm increments, readings start at 20 ppm (CO) and 10 ppm (H<sub>2</sub>S), 0.5% increments from 21% (O<sub>2</sub>) (standard model) 0.1% and 1 ppm increments, readings start at 5 ppm (XL and XLS models)

• **Radio Frequency Protection:** <10% deviation of alarm level when subjected to 450MHz, 5 Watt Radio @ 2ft (61cm)

**CM-1 Carbon Monoxide**

**HS-1 Hydrogen Sulfide**

**OX-1 Oxygen**

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