

# MULTI-GAS SENSOR – DETECTS LEL, CO, H<sub>2</sub>S, O<sub>2</sub>

**BW Technologies  
Gas Sensor**



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# MULTI-GAS SENSOR

## DESCRIPTION

### Purpose of Product

- The multi-gas sensor is a handheld device with plug and play sensors that alarms the user to hazardous gases in the environment

### Feature 1

- Product is designed to have one main module with several detachable sensors. With this design the customer can customize the sensor to their specific needs

### Feature 2

- Product detects multiple hazardous gases in the environment including LEL, O<sub>2</sub>, CO, and H<sub>2</sub>S

### Feature 3

- Multi-gas sensor features backup batteries for long term use and added reliability

### Market

- U.S.A.
- Coal mines, Petroleum refineries

# MULTI-GAS SENSOR

## KEY REQUIREMENTS

### Cost

- Sales Price: \$800 , Component Cost: \$145, Assembly & Test Costs: \$75

### Environment

- Outdoors/Indoors

### Power Input(s)

- Residential AC Power: 102~132 VAC (For Charging)
- Battery Power: 2 AA batteries 3.0 V (Nominal), Single Cell Lithium Ion 3.7V (Nominal)

### Major Functions, Quantities Measured, Displayed

- Functions: On, Off, Alarm, Vibrator, Status LEDs
- Display: OLED Displays PPM values, gas present, battery level
- Environmental gasses (ppm)
  - Range: 0 to 300ppm, Accuracy: +/- 20%, Resolution: 1ppm
  - Gases: LEL, H<sub>2</sub>S, CO, CH<sub>4</sub>

# MULTI-GAS SENSOR BLOCK DIAGRAM

