MULTI-GAS SENSOR – DETECTS LEL, CO, H₂S, O₂
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, O₂, CO, and H₂S

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, H2S, CO, CH4