COLOR BAR, VOC GAS DETECTOR

Model C-21

With Audio Alarm and Data Logger Output

For dry cleaners, paint shops, printers, wood workers, hospitals, vehicle repair facilities, chemical production areas, and wherever indoor air quality monitoring is required. The Model C-21 gas sensor helps you comply with the new VOC air quality regulations for hydrocarbon gases and solvent vapors.

Benefits:

• Constantly monitors your work environment
• Detects leaks and poor air quality before they are a health hazard
• No Installation, simply plug it in.
• Easily understood by non-technical personnel
• Virtually no maintenance
• 24 hour per day, 7 day per week guarding for leaks.

Features:

• Highly sensitive to solvent vapors and other VOCs
• Detects down to OSHA, EPA and other regulatory-mandated levels, typically at low ppm concentrations
• Has built-in rechargeable battery for up to 2 hours of portable use to track down a leak
• Bright green - yellow - red display clearly shows hazard level of gas or vapor, see example*

   *Typical color indications for Perchloroethylene

   All Green 20 ppm , All Amber 40 ppm, One red 50 ppm

Safety Features:

• Enclosure: Self extinguishing ABS plastic
• Sensor: Heated element is flame arrestor protected
• Electrical:
  A) Circuits operate at 12 volts/250 ma or less with no high capacity inductors or capacitors
  B) Automatically resetting fuse to protect against excess current flow and excess heating
  C) Dual zener-type diode barrier to protect against surges, spikes, over-voltage, and reverse polarities

Specifications:

• Range: Full scale = 50 -100 ppm for most solvent based VOCs
• Bar graph display: Green = normal, Yellow = caution, Red = danger
• Response time: Within a few second of the VOC gas reaching the sensor
• Measurement principle: HMOS (heated metal oxide semiconductor) sensor
• Size: 85 x 35 x 60 mm (3.25 x 1.375 x 2.375 in)
• Weight: 140 gr (5 oz)
• Power requirements: 12 VDC at 300 mA. AC adapters available worldwide
• Battery: Self contained NiCad or NiMH. Approximately 2 hour capacity when recharged by AC overnight
The above listing is only a partial one, with materials actually run in our laboratory. Detection threshold is typically at or below the OSHA established limits.