

## Portable Gas Monitor, GT-CO<sub>2</sub>

Hazardous gas detection for industrial work sites



### Key Features

- Exclusive LIP™ attachment to prevent sample system damage
- Light-weight and easily portable
- Monitors hydrocarbon in LEL or ppm ranges, as a standard
- Built-in data logger
- Simple operation and calibration

The Thermo Scientific portable gas monitor, GT-CO<sub>2</sub> is designed to help protect workers from hazardous gases at industrial work-sites. The monitor is configured to detect carbon dioxide and hydrocarbons, in the LEL and ppm ranges, as well as oxygen content and either carbon monoxide or hydrogen sulfide.

The exclusive LIP™ (Liquid Inhibiting Probe) attachment prevents damage to the sample system by automatically shutting off the pump and sounding a "low-flow" alarm if a liquid is aspirated.

The built-in pump allows users to sample from remote areas and is easily portable at a weight of only five pounds.

The GT-CO<sub>2</sub> incorporates microprocessor-driven electronics and convenient top-mounted switches for simple operation and calibration. The fully programmable alarm levels are available for latching or self-resetting modes, power status, low flow or sensor failure. In addition, the low and high alarm relays feature both audible and visual indicators to warn the user against hazardous gas concentrations.

The highly descriptive LCD displays: real-time gas concentrations; the date & time; available battery capacity, alarm set points; TWA; STEL; minimum and maximum readings and features an on demand backlight.

# Portable Gas Monitor, GT CO<sub>2</sub>

To maintain optimal product performance, you need immediate access to experts worldwide, as well as priority status when your air quality equipment needs repair or replacement. We offer comprehensive, flexible support solutions for all phases of the product lifecycle. Through predictable, fixed-cost pricing, our services help protect the return on investment and total cost of ownership of your Thermo Scientific air quality products.

## Product Specifications

|                              |  |
|------------------------------|--|
| <b>Sensors</b>               | CO <sub>2</sub> : Infrared<br>Hydrocarbons: Catalytic compensated<br>O <sub>2</sub> , CO, H <sub>2</sub> S: Electrochemical  |
| <b>Sample Method</b>         | Sample-draw, internal pump   |
| <b>Response Time</b>         | 90% in 30 seconds  |
| <b>Accuracy</b>              | LEL: ±5% of reading;<br>ppm, CO, CO <sub>2</sub> , H <sub>2</sub> S: ±10% of reading<br>O <sub>2</sub> : ±0.5% Vol.  |
| <b>Repeatability</b>         | LEL: ±2% of reading<br>ppm, CO, CO <sub>2</sub> , H <sub>2</sub> S: ±5% of reading<br>O <sub>2</sub> : ±0.2% Vol.  |
| <b>Operating Temperature</b> | 20°F - 104°F (-7°C - 40°C)   |
| <b>Humidity</b>              | 0 to 95% RH, non-condensing  |
| <b>Alarms</b>                | User defined, programmable alarm levels; latching of self-resetting modes; low battery, low-flow or sensor failure;<br>Two levels of alarm with audible and visual indication; TWA, SETL are preset at factory and can be programmed |
| <b>LCD Display</b>           | Real-time gas concentrations, date & time, battery capacity, alarm set points, backlight on demand, log remaining hours<br>TWO, STEL, minimum & maximum readings   |
| <b>Power Source</b>          | Four "D" alkaline or NiCd batteries  |
| <b>Battery Life</b>          | 7 hours at 70°F (21°C)<br>Due to the nature of alkaline cells, battery life is greatly reduced at low temperatures.<br>NiCd batteries are recommended for low temperature applications.  |
| <b>Dimensions</b>            | 10" (254mm) L x 6" (152mm) H x 4" (127mm) W  |
| <b>Weight</b>                | 5 lbs (2.25kg)   |
| <b>Materials</b>             | High impact, chemical and RF resistant, polycarbonate-polyester plastic  |

| Gas              | Formula          | Standard Range  |
|------------------|------------------|---|
| Carbon Dioxide   | CO <sub>2</sub>  | 0 to 5.00% Vol in 0.05% increments<br>or<br>0 to 20.0% Vol in 0.1% increments |
| Carbon Monoxide  | CO               | 0 to 300 ppm in 1 ppm increments  |
| Hydrocarbons     |                  | 0 to 100% LEL in 1% increments<br>or<br>0 to 10,000 ppm in 20 ppm increments  |
| Hydrogen Sulfide | H <sub>2</sub> S | 0 to 200 ppm in 1 ppm increments  |
| Oxygen           | O <sub>2</sub>   | 0 to 30% VOL in 0.1% increments   |

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