

# GT SERIES™

## Portable Gas Monitors For one, two, three or four gases

Thermo GasTech's GT Series of portable gas monitors are designed to protect workers from hazardous gases in confined spaces and other industrial work sites. Our GT Series are available in several different gas combinations for detecting hydrocarbons in the LEL/ppm range, oxygen content, carbon monoxide, hydrogen sulfide and other gases.



### Optional Accessories

- Storage case
- Auxiliary hydrophobic filter
- Dilution fitting
- Extra length hoses, up to 100 ft.
- Data retrieval kit
- Confined space kit
- Calibration kit
- 30 in. probe
- Float probe
- Remote buzzer
- Battery charger (220 VAC, 115 VAC, 12 VDC)

### Features

- 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 liquid or water is aspirated
- Built-in pump meets federal regulation compliance for pretesting confined spaces and other remote areas
- Highly descriptive LCD display
- Monitors hydrocarbons in LEL or ppm ranges as a standard
- Built-in datalogger
- Weighs only five lbs.
- Microprocessor electronics and convenient top-mounted switches make operation and calibration simple
- Interchangeable, "D" NiCd or alkaline batteries
- Easily replaceable batteries and sensors
- Audible and visual alarms
- Unique "float probe" available for monitoring underground storage tanks (Model GTCO<sub>2</sub>)
- UL Classified and CSA Certified Intrinsically Safe, Hazardous

Sensors: Hydrocarbons: Catalytic compensated  
 Cl<sub>2</sub>, CO, H<sub>2</sub>S, NH<sub>3</sub>, O<sub>2</sub>, SO<sub>2</sub>: Electrochemical

Sample Method: Sample-draw, internal pump

Response Time: 90% in 30 seconds  
 90% in 150 seconds (NH<sub>3</sub>)

Accuracy: LEL: ± 5% of reading ppm, Cl<sub>2</sub>, CO, H<sub>2</sub>S, SO<sub>2</sub>: ±10% of reading  
 O<sub>2</sub>: ± 5% Vol. NH<sub>3</sub>: ± 20 % of reading

Repeatability: LEL: ± 2% of reading ppm, Cl<sub>2</sub>, CO, H<sub>2</sub>S, SO<sub>2</sub>: ± 5% of reading  
 O<sub>2</sub>: ± 0.2% Vol. NH<sub>3</sub>: ± 10 % of reading

**Environmental**

Operating Temp: -4°F to 113°F (-20°C to 45°C)  
 Humidity: 0 to 95% RH, non-condensing

**User Interface**

Alarms: • user defined, programmable alarm levels  
 • latching or self-resetting modes  
 • low battery, low flow, or sensor failure

• two levels of alarm with audible & visual indication to warn of unsafe gas levels

LCD Display: • real-time gas concentrations • backlight on demand  
 • date & time • log remaining hours  
 • battery capacity • TWA, STEL, minimum & maximum readings  
 • alarm set points

Controls: Six top-mounted buttons

**Power**

Power Source: Four "D" alkaline or NiCd batteries

Battery Life: Alkaline: 20 hours at 68°F (20°C)  
 NiCd: 10 hours at 68°F (20°C)  
 Due to the nature of alkaline cells, battery life is greatly reduced at low temperatures. NiCd batteries are recommended for low temperature applications.

**Construction**

Dimensions: 10 in. (254 mm) L x 6 in. (152 mm) H x 5 in. (127 mm) W  
 Weight: Approximately 5 lbs. (2.25 kg)  
 Case Materials: High impact, chemical and RF resistant, polycarbonate-polyester plastic

**Approvals**

UL Classified and CSA Certified Intrinsically Safe, Hazardous Locations  
 Class I, Division 1, Groups A, B, C & D

**Warranty**

One year (materials and workmanship)

Gas	Formula	Standard Range
Ammonia	NH <sub>3</sub>	0 to 100 ppm in 1 ppm increments
Carbon Monoxide	CO	0 to 300 ppm in 1 ppm increments
Chlorine	Cl <sub>2</sub>	0 to 10.0 ppm in 0.1 ppm increments
Hydrocarbons		0 to 100% LEL in 1% increments <i>Float Probe 81-1176</i> 0 to 5,000 ppm in 10 ppm increments 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 30.0% Vol. in 0.1% increments <small>A Thermo Electron Business</small>
Sulfur Dioxide	SO <sub>2</sub>	0 to 10.0 ppm in 0.1 ppm increments



**Thermo** GasTech

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