



# FI 2000

Heath Consultants Incorporated now introduces its **NEW FI 2000** which utilizes field proven flame ionization to measure low concentrations of hydrocarbons. The FI 2000 combines the dependability of flame ionization technology with a simple three-button operation providing an extremely cost effective, hand held portable gas detector.

At 3.5 lbs, the Heath FI 2000 is the lightest weight flame ionization gas detector on the market today. The FI 2000 employs the latest in micro-processor technology to produce an instrument offering the user an accurate and reliable gas leak detector designed for "single-handed" use. A liquid crystal display (LCD) provides an instant indication of changing gas concentrations, low battery and flame-out. Push-button backlighting, low fuel pressure gauge and adjustable probe provide operators with several unique features to increase their productivity.

The FI 2000 has dual sensitivity ranges of parts per million (PPM): 0-20 PPM for search mode and 21-800 PPM in the center mode with an approximate over-range of 2,000 PPM.

## SIMPLE TO OPERATE

When the SEARCH range is displayed ("SEARCH" appears at the top of the display) the FI 2000 is operating normally and can detect less than 4 PPM of gas in air. An adjustable alarm is factory set to 4 PPM. At the press of a button, the operating mode toggles to CENTER range. This range is helpful in identifying the source of the gas leak. A fully adjustable audible alarm indicates when the gas level has exceeded the preset gas alarm level.

## TRULY UNIQUE

The FI 2000 lights and relights automatically, maximizing operator safety and convenience. Additionally, the FI 2000 will alarm at flame-out, alerting the operator to a problem. Simultaneously, the instrument will relight itself. No other instrument has this feature.

## THREE-BUTTON OPERATION

*The instrument was designed to use these three buttons for internal programming. Alarm levels and zeroing are available with the correct sequence of buttons.*



The "ON" switch.

The "BACKLIGHT" and "Range" toggle.

The "ZERO" button.



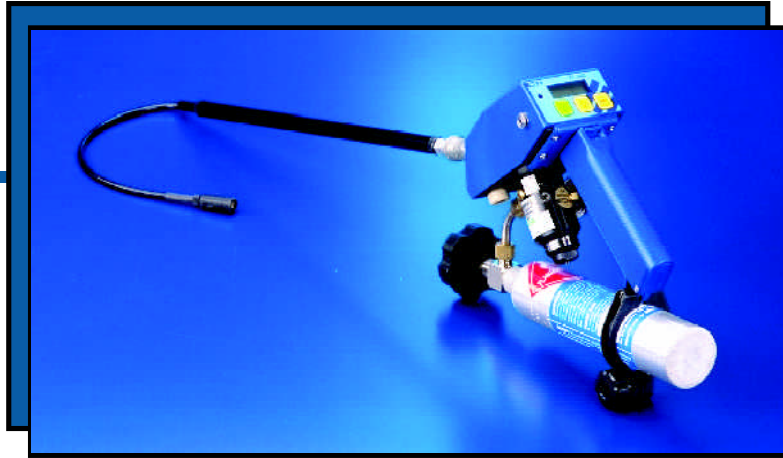
Only  
3.5 lbs.

## Features

- Auto Ignition
- Auto Relight
- Dual Sensitivity Range
- Two Refillable Fuel Tanks
- Adjustable Alarm Range
- Push Button Operation
- One Button Zero Set
- Operates Off 4 AA Batteries
- Backlight Display

**See back for specifications  
and ordering instructions**

# FI 2000



## Specifications

|                                |  |
|--------------------------------|--|
| <b>Ranges:</b>                 | 0-20 PPM (SEARCH)<br>21-800 PPM (CENTER)<br>2,000 PPM over-range, full scale |
| <b>Weight (total carried):</b> | 3.5 lbs / 1.6 kg   |
| <b>Response Time:</b>          | 2.5 seconds  |
| <b>Fuel Capacity:</b>          | 37 liters @ 1800 psi   |
| <b>Batteries:</b>              | 4 AA alkaline; 1 week life   |
| <b>LCD Readout:</b>            | 1 - 100 (20 divisions)   |
| <b>Alarms:</b>                 | Fully adjustable 2 ranges  |
| <b>Audio Alarm Level:</b>      | 80 dB approx   |
| <b>Flame Out Indication:</b>   | Display Flag & Audible   |
| <b>Sample Flow Rate:</b>       | 200 cc/min   |
| <b>Drift:</b>                  | ± 4 % FSD/hour   |
| <b>Warm-up Time:</b>           | 5 minutes  |
| <b>Fuel Type:</b>              | 40% Hydrogen/60% Nitrogen  |
| <b>Control:</b>                | Fuel Valve & Backlight Toggle<br>On/Off button                               |
| <b>Adjustments:</b>            | Zero button  |
| <b>Maintenance:</b>            | Clean or replace filters   |

## Description

The FI 2000 comes complete with instrument console, 2 lecture bottles, fuel transfiller, instruction manual, deluxe shipping/carry case, sampling probe, dust filters, batteries and shoulder strap. A screw-in rubber cone can be used instead of the standard probe tip in snow, rain or heavy morning dew.

## Accessories

|                                   |   |
|-----------------------------------|---|
| <b>Probe Tip Assembly:</b>        | Screw in end piece with sintered end of line filter.  |
| <b>Lecture Bottle:</b>            | Removable, refillable.<br>Part No. 22175078   |
| <b>Transfillers:</b>              | Attachment for refilling lecture bottles from a primary tank.<br>Part No. 22182011  |
| <b>O Rings:</b>                   | Replacement between instrument and lecture bottle. Also, between lecture bottle and transfiller.<br>Part No. 22110032<br>Replacement inside filter housing.<br>Part No. 0114493 |
| <b>Dust Filters:</b>              | Package of 100.<br>Part No. 0110163<br>Package of 500.<br>Part No. 0110683  |
| <b>Bump Test Kit:</b>             | 100 PPM cylinder, regulator .05 LPM, 3 feet tygon tubing, calibration tube assembly, and carrying case.<br>Part No. 22275210  |
| <b>Field Test Aerosol Bottle:</b> | 100 PPM Methane in disposable aerosol bottle.<br>Part No. 8300206   |

*The FI 2000 is manufactured by GMI for Heath Consultants. Heath Consultants is the exclusive distributor to the natural gas industry for GMI products.*

*These products are produced in a facility which has been registered since 1990 to ISO-9001. Conforms with current EU standards for EMC and is CE marked.*

*Heath Consultants Incorporated operates under a continual product improvement program and reserves the right to make improvements and/or changes without prior notification.*



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### To Order:

**FI 2000 Complete Set  
Part No. 22082000**