

# Flame Ionization Detector MicroFID

## MicroFID Flame Ionization Monitor

For accurate, reliable detection of VOCs in fugitive emissions or environmental applications. The Photovac MicroFID is the right choice in Flame Ionization Detection. At just 8.1 lbs (3.7 kg), the MicroFID is the smallest and lightest data logging Flame Ionization Detector (FID) available.

### FEATURES

- **Detect up to 50,000 PPM VOCs including methane confidently and reliably**
- **Easy to learn and use**  
Single push button tutorial prompts you through operation
- **Data is displayed and logged in less than three seconds within the concentration range of 0.1-50,000 PPM**
- **Designed for field use**  
The MicroFID is completely self contained in a single hand-held package so transportation and operation are simplified
- **Up to 15 hours of run time with replaceable and rechargeable battery packs**
- **Reliable results that measure up**  
For trouble-free measurement of soil gases where the response factor consistency of an FID is mandatory



MicroFID

### SPECIFICATIONS

<b>Size</b>	17.1" L (43.4 cm) x 3.85" W (9.8 cm) x 7.4" H (18.8 cm)
<b>Weight</b>	8.1 lbs (3.7 kg)
<b>Keypad</b>	16-key, fixed function
<b>Display</b>	2-line, 16-character LCD with alphanumeric readout
<b>Hydrogen cylinder discharge</b>	Greater than 12 hours
<b>Hydrogen cylinder capacity</b>	9.2 liters
<b>Battery capacity</b>	15 hours (snap-on replacement)
<b>Serial output</b>	RS-232, 1200-19200 baud with no parity, for tabular and graphic printouts and connection to a Windows® compatible computer
<b>Audio output</b>	On Alarm, LoBatt (Low Battery), and NoFlm (No Flame)
<b>Analog output</b>	0-1 volt full scale
<b>Operating temperature range</b>	41°F to 105°F (5°C to 45°C)
<b>Operating humidity</b>	0-100% Relative Humidity (non-condensing)
<b>Operating concentration range</b>	0.5 PPM to 2000 PPM methane equivalent (low range) 10 PPM to 50,000 PPM methane equivalent (high range)
<b>Detection limit</b>	0.5 PPM methane
<b>Accuracy</b>	Methane (after calibration with zero air and 500 PPM methane gas): within ± 0.5 PPM or ± 10% of actual methane concentration (0.5 PPM to 2000 PPM range)
<b>Response time</b>	Less than 3 seconds
<b>Intrinsic safety</b>	Class I, Division 1, Groups A, B, C, & D CENELEC certified according to EN50021, EEx nA II T5, Demko No. 00Y127355X

**CALL GEOTECH TODAY (800) 833-7958**

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