

# MicroFID™ II

## Innovative Portable Flame Ionization Detection for Volatile Organic Compounds

- Accurate, reliable **flame ionization** detection
- **Bluetooth® enabled** for wireless communication to handheld computer or mobile phone
- **Unique 70 hour**, low pressure hydrogen fuel cylinder
- **Long-life** 15 hour battery
- Intrinsically **safe**
- Integrates with **GPS** positioning systems



### APPLICATIONS

- Emergency Response - HazMat
- Underground Storage Tank Removal
- Confined Space Pre-entry
- Arson Accelerant Investigations
- Soil Gas Monitoring
- Petroleum Products Tank Entry
- OSHA Compliance
- Pollution Control Efficiency

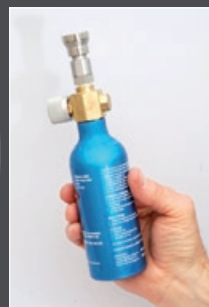
### The MicroFID II Advantage

Flame ionization detection provides measurements over a wider range of VOCs than photoionization detectors (PIDs), including methane. Further, the MicroFID II's operating range of 0.1 ppm to 50,000 ppm helps better define the severity of the hot zone.



#### Advanced Wireless Technology

The MicroFID II represents the newest generation in flame ionization detection with integral Bluetooth wireless technology for optional data transfer to a handheld device (computer, PDA or mobile phone) when in backpack mode. Plus, the MicroFID II can be restarted from the handheld device if flameout occurs.



#### Designed for Field Use

The revolutionary metal hydride hydrogen fuel cylinder provides up to 70 hours of continuous use at very low pressure (80 psi) to maximize your up-time in the field. With this long-life hydrogen fuel system, multiple shifts can use the MicroFID II without returning for a refill. The metal hydride cylinder has a UN3468 identification number, so it can be shipped full of hydrogen by way of commercial air.

# Photovac *MicroFID II* Specifications:

- **EPA Standards:** Meets and exceeds US EPA Method 21 regulations for determination of volatile organic compound leaks.
- **Detector:** Flame ionization.
- **Size:** 13"L x 12"W x 3" D (33cm x 30.5cm x 7cm).
- **Weight:** 11.0 pounds (5 kg).
- **Display:** Large 2.8" (7.1 cm) diagonal active area. Backlight manually activated.
- **Keypad:** Four menu keys.
- **Connectivity:** Integral wireless Bluetooth technology installed inside *MicroFID II* housing
- **Monitoring software compatibility:** Communicates wirelessly with Photovac's FirstFID software system.
- **Hand-held device requirements for FirstFID**  
**Software:** Windows ® Mobile 6 or above, 64MB RAM, Bluetooth 2.0 and 480 x 640 screen resolution. Contact Photovac for details.
- **Hydrogen operating time:** 70 hours.
- **Hydrogen tank pressure:** 80psi (2,068 mmHg)
- **Hydrogen cylinder shipping classification:** UN3468.  
Can be shipped full of hydrogen by way of commercial air.
- **Re-light after Flame-out:** Can be re-lit from monitoring software system.
- **Battery Capacity:** 15 hours.
- **Response time:** < 3 seconds.
- **Operating concentration range:** 0.1 ppm to 50,000 ppm
- **Operating temperature range:** 32°F (0°C) to 122°F (50°C)
- **Operating humidity range:** : 0 to 100% (non-condensing)
- **Repeatability:** +/- 2%
- **Alarm level:** Preset by operator
- **Alarm:** Audible at 85 dB, visual red LED on instrument body
- **Calibration Standards:** Methane, hexane or propane
- **Intrinsic Safety:** Class 1, Division 1, Groups A,B,C & D\*
- **FCC:** Class B digital device, pursuant to Subpart B, class B of Part 15 of the FCC rules



*MicroFID II* with telescoping probe, backpack and handheld computer.

## *MicroFID II* Includes:

- Bluetooth wireless technology
- Telescoping probe
- Metal hydride hydrogen cylinder
- AC Charger 110/220 VAC with universal plug
- 10 inlet filters
- Multi-tool
- User manual



\*For intrinsically safe monitoring activities, the handheld device must also be rated intrinsically safe.

**Note:** Handheld device, FirstFID monitoring software, and backpack are available separately.



For further information on Photovac products, or to arrange a product demonstration, please contact a Photovac representative near you or email us at: [customerservice@photovac.com](mailto:customerservice@photovac.com) or contact Photovac, Inc.

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