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DataFID™

Advanced Portable
Flame Ionization Detection for

VOC Measurements

- **Bluetooth® enabled** for wireless communication to hand-held datalogging PDA's and computers
- **Unique 70 hour** low pressure hydrogen fuel cylinder
- **Long-life** 15 hour battery
- **Wide measurement range** from 0.1 ppm to 100,000 ppm
- **Meets and exceeds US EPA** Method 21 (LDAR) requirements
- **Intrinsically safe**

Applications

Environmental

- Fugitive Emissions EPA Method 21 Monitoring for Leak Detection and Repair (LDAR)
- NSPS Subpart V V Compliance Measurements
- Landfill methane gas monitoring screening
- Soil/Water Jar Headspace Screening

Emergency Response

- Chemical incident response
- Personal protective equipment assessment
- Arson investigations

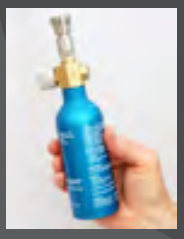
Industrial Hygiene

- Work place exposure assessments
- Confined space entry

Advanced Wireless Technology

The ***Data*FID** represents the newest generation in flame ionization technology with integral Bluetooth wireless technology for fast data download to a portable datalogging PDA or office computer. Now, cumbersome add-on communication attachments can be eliminated with the ***Data*FID**'s wireless technology. The ***Data*FID** is compatible with enterprise LDAR software systems.

Designed for Field Use



The specialized design metal hydride hydrogen fuel cylinder allows up to 70 hours of continuous use at surprisingly low pressure (80 psi) to maximize time in the field. With this long-life hydrogen fuel system, multiple shifts can use the ***Data*FID** without returning for a refill. Further, the ***Data*FID** has an exceptionally wide measurement range and can be used in previously unattainable high concentration applications (up to 100,000 ppm).

The ***Data*FID** SmartProbe design allows for total control of the instrument right at the probe handle, including flame restart. The large LCD display provides a wide array of information such as real-time concentration levels, peak-hold, alarm levels, datalogging functions, battery condition and flame status. The easy access menu structure quickly guides the operator through the instrument's operation.

The unique ***Data*FID** backpack can be configured as a sling, duffle bag or back pack for ease of use even in the most challenging measurement environments. The backpack is rugged and padded to provide added protection for the ***Data*FID**.

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Applications



Leak Detection and Repair (LDAR)

US EPA Method 21 regulation for fugitive emissions requires reliable measurements in a variety of environmental conditions. The ***Data*FID** meets and exceeds the requirements for instrumentation as stated in 40CFR Part 60 Method 21 as well a NSPS Subpart V V measurements in fuel ethanol and biodiesel production facilities.

Landfill Gas Monitoring

Landfill gas monitoring requires the detection of methane. The ***Data*FID** responds rapidly to methane and, when equipped with an optional charcoal filter, can obtain non-methane Total VOC measurements. The ***Data*FID** automatically subtracts the background from the sample and records the difference.

High Concentration and High Altitude Measurements

High concentrations of VOC's and high altitudes present instrument design challenges to avoid low oxygen flame-out of the flame ionization detector. The HC version of the ***Data*FID** has an optional supplemental air system that dilutes the sample so concentrations to 100,000 ppm can be measured. Further, users can now make measurements in oxygen-deficient altitudes.

Emergency Response and HazMat Characterization

HazMat and Emergency Response teams need portable, reliable instruments to quickly define the hot zone. With its quick response time, results are provided rapidly so immediate decisions can be made regarding the level of equipment required and the appropriate clean-up actions.

*Data*FID Options/Accessories

- SmartProbe
- Supplemental air
- Hard shell carrying case
- Spare 15-hour battery
- Hydrogen fuel cylinder refill station
- Calibration gas regulator
- ProComm Software

DataFID Includes (EV and HC Versions)

- Bluetooth wireless
- Multi-function backpack
- AC Charger 110/220 VAC with universal plug
- 10 inlet filters
- User manual
- Supplemental air (HC Version only)

Specifications are subject to change without notice

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*Data*FID™LD

Advanced Portable Flame Ionization Detection for

LDAR Monitoring

- **Bluetooth® enabled** for wireless communication to hand-held datalogging PDA's
- **Unique 70 hour** low pressure hydrogen fuel cylinder
- **Long-life** 15 hour battery
- **Meets and exceeds US EPA** Method 21 (LDAR) requirements
- **Intrinsically safe**

Leak Detection and Repair (LDAR)

US EPA Method 21 regulation for fugitive emissions requires reliable measurements in a variety of environmental conditions. The ***Data*FID** meets and exceeds the requirements for instrumentation as stated in 40 CFR Part 60 Method 21 as well as NSPS Subpart V V measurements in fuel ethanol and biodiesel production facilities.

Advanced Wireless Technology

The ***Data*FID** represents the newest generation in flame ionization detection with integral Bluetooth wireless technology for fast data download to a portable datalogging PDA. Now, cumbersome add-on Bluetooth communcation attachments can be eliminated with the ***Data*FID**'s wireless technology. The ***Data*FID** is compatible with LDAR software programs, and flame restart can be initiated through the PDA and software system.

Designed for Field Use

The revolutionary metal hydride hydrogen fuel cylinder allows up to 70 hours of continuous use at surprisingly low pressure (80 psi) to maximize your up- time in the field. With this long-life hydrogen fuel system, multiple shifts can use the ***Data*FID** 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 air cargo. Status alarms such as low battery and low hydrogen are signaled through audible and visual alerts.

*Data*FID LD Version Includes:

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

Note:
Intrinsically safe PDA, Probe and LDAR software are available separately.

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Photovac *Data*FID Specifications: LD Version

- **EPA Standards:** Meets and exceeds US EPA Method 21 regulations for fugitive emissions monitoring (LDAR) US EPA 40 CFR Part 60 Method 21 and NSPS Subpart V V measurements in fuel ethanol and biodiesel production facilities.
- **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:** Wireless Bluetooth technology installed inside *Data*FID housing. Does not require external Bluetooth device.
- **LDAR software compatibility:** Integrates with LeakDAS® Mobile and GuideWare monitoring software.
- **Hydrogen cylinder operating time:** 70 hours
- **Hydrogen cylinder pressure:** 80psi (4,136 mmHg)
- **Hydrogen cylinder shipping classification:** UN3468. Can be shipped full of hydrogen by way of air cargo (shipping documentation required)
- **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

Intrinsically safe PDA, Probe and LDAR software are available separately.

Specifications are subject to change without notice.
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