



MicroFID II™

Portable Flame Ionization Detector

PORTABLE FLAME IONIZATION DETECTION FOR VOLATILE ORGANIC COMPOUNDS

The intrinsically safe, portable MicroFID II flame ionization detector (FID) is designed for HAZMAT detection, confined space entry and soil gas monitoring.

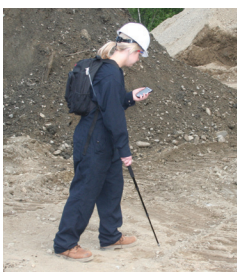
PROVIDES MEASUREMENT OVER A WIDE DETECTION RANGE

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

SAFE ENOUGH FOR EVEN THE MOST EXPLOSIVE ENVIRONMENTS

MicroFID II is intrinsically safe, rugged and easy to use. When sampling in an unknown, potentially explosive environment, responders can be confident the area can be safely entered with the MicroFID II. It is certified as intrinsically safe to North American UL standards for use in potentially explosive environments.

DESIGNED FOR FIELD USE



MicroFID II boasts a 15 hour battery life, making it the ideal choice for field use. It is portable, lightweight and can be easily carried using the oversized handle. The combination of the conveniently mounted sampling inlet, large keypad, backlit display and rapid sampling response

time all contribute to MicroFID II's ease of use. When used with the optional telescoping probe, backpack and handheld device, MicroFID II is the obvious choice for field applications.

FEATURES AT A GLANCE

- Portable flame ionization detection
- Intrinsically safe
- 15 hour battery life
- Telescoping probe (optional)
- Bluetooth wireless technology
- 70 hour hydrogen supply

APPLICATIONS

- Chemical incident response
- Arson accelerant investigations
- Soil gas monitoring
- Petroleum products tank entry



ADVANCED WIRELESS TECHNOLOGY

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

UNIQUE, LOW PRESSURE HYDROGEN FUEL CYLINDER

The revolutionary metal hydride hydrogen fuel cylinder provides up to 70 hours of continuous use at very low pressure (80 psi) to maximize up-time in the field. With this long-life hydrogen fuel system, multiple shifts can use the MicroFID II without returning for a gas refill.

SPECIFICATIONS

Operating Temperature Range	32° F to 122° F (0° C to 50° C)
Operating Humidity Range	0 to 100% (non-condensing)
L x W x H	13 in. x 12 in. x 3 in. (330 mm x 305 mm x 76.2 mm)
Weight	11.0 lb. (5 kg)
Battery	15 hours operation, Nickel metal hydride (NiMH)
Keypad	Three menu keys
Display	Large 2.8 in. (7.1 cm) diagonal active area. Backlight manually activated
Alarm	Audible at 85 dB, visual red LED on instrument body
Data Logger Memory	24,000 readings interval mode; 5,000 readings location mode
Connectivity	Bluetooth technology embedded for wireless data connection
Detector	Flame Ionization Detector (FID)
Response Time	90% of full scale in <3 seconds
Operating Concentration Range	0.1 ppm to 50,000 ppm
Repeatability	±2%
Calibration Standards	Methane, hexane or propane
Fuel	99.999% UHP (Ultra High Purity) Hydrogen
Fuel Cylinder	Metal hydride, 70 liters capacity, 80 PSI cylinder pressure, 70 hour discharge time / recharge 60 minutes
Fuel Cylinder Weight	1.9 lb. (0.8 kg)
Fuel Cylinder Dimensions	6.5 in. (165 mm), 8 in. (203 mm) with coupling, 2 in. diameter (51 mm)
Intrinsic Safety	Class 1, Division 1, Groups A,B,C and D (UL 913)
FCC	Class B digital device, pursuant to Subpart B, Class B of Part 15 of the FCC rules



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Due to our continuing program of product improvements, specifications are subject to change without notice.

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