

Photoionization Detector (PID) Honeywell MiniRAE Lite+

The MiniRAE Lite+ is the most reliable handheld volatile organic compound (VOC) monitor on the market. Its photoionization detector's (PID) range of 0 to 5,000 ppm makes it an ideal instrument for applications ranging from environmental to construction.

FEATURES

Proven PID technology —

The patented sensor provides the following unique features:

3-second response time Range up to 5,000 ppm Humidity compensation

- Designed for service —
 Easy access to lamp and sensor in seconds without tools
- · Big graphic display for easy overview of concentration
- Field-interchangeable battery pack, replaceable in seconds without tools
- · Integrated flashlight for better visibility in low light
- Multi-language support with 12 languages encoded
- Rugged housing withstands use in harsh environments IP65 design

Strong, protective removable rubber boot

ADVANTAGES

- Duty-cycling[™] lamp and sensor auto-cleaning technology
- Tough, flexible inlet Flexi-Probe™
- Large keys are operable with 3 layers of gloves
- Strong, built-in sample pump draws up to 100' (30 m) horizontally or vertically
- · Loud, 95 dB audible alarm
- · Bright red flashing visible alarm
- Interchangeable drop-in Lithium-ion and alkaline battery packs
- 3-year 10.6 eV lamp warrant



CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc.2650 East 40th Avenue • Denver, Colorado 80205 (303) 320-4764 • FAX (303) 322-7242 email: sales@geotechenv.com • website: www.geotechenv.com



Photoionization Detector (PID)

Honeywell MiniRAE Lite+

SPECIFICATIONS

Sensor Specifications*

Size 10" L x 3.0" W x 2.5" H (25.5 x 7.6 x 6.4 cm) Weight 26 oz (738 g) Sensors Photoionization sensor with standard 10.6 eV lamp Battery - Alkaline battery adapter - External field-replaceable lithium-ion battery pack, if specified Operating Hours 12 hours of operation on alkaline battery adapter (12 hours with lithium-ion battery pack) Display Graphic 4 lines, 28 x 43 mm, with LED back light Keypad 1 operation and 2 programming keys, 1 flashlight on/off Direct Readout Instantaneous reading of: - VOCs as ppm by volume - High and low values - Date and time 95 dB buzzer (at 30 cm) and flashing red LED to indicate exceeded preset limits - High: 3 beeps and flashes per second - Low: 2 beeps and flashes per second - Alarm latching with manual override or automatic reset - Additional diagnostic alarm and display message for low battery and pump stall EMI/RFI Highly resistant to EMI/RFI. Compliant with EMC directive 89/336/EEC IP Rating IP65 Calibration Two-point calibration for zero and span Accuracy 10 to 2000 ppm: ±5% at calibration point Sampling Pump 10 to 2000 ppm: ±5% at calibration point - Sample from 100' (30 m) horizontally and vertically Low Flow Alarm Auto shut-off pump at low-flow condition *Bluetooth Low Energy (option)	Sensor Specification	15 [*]			
WoCs 1,000 to 5,000 ppm 1 ppm < 3 sec Monitor Specifications* Size 10" L x 3.0" W x 2.5" H (25.5 x 7.6 x 6.4 cm) Weight 26 oz (738 g) Sensors Photoionization sensor with standard 10.6 eV lamp Battery • Alkaline battery adapter • External field-replaceable lithium-ion battery pack, if specified Operating Hours 12 hours of operation on alkaline battery adapter (12 hours with lithium-ion battery pack) Display Graphic 4 lines, 28 x 43 mm, with LED back light Keypad 1 operation and 2 programming keys, 1 flashlight on/off Direct Readout Instantaneous reading of: • VOCs as ppm by volume • High and low values • Date and time Alarms 95 dB buzzer (at 30 cm) and flashing red LED to indicate exceeded preset limits • High: 3 beeps and flashes per second • Low: 2 beeps and flashes per second • Low: 2 beeps and flashes per second • Additional diagnostic alarm and display message for low battery and pump stall EMI/RFI Highly resistant to EMI/RFI. Compliant with EMC directive 89/336/EEC IP Rating 1P65 Calibration Two-point calibration for zero and span Accuracy 10 to 2000 ppm: ±5% at calibration point Sampling Pump • Internal, integrated flow rate at 400 cc/min. • Sample from 100' (30 m) horizontally and vertically Low Flow Alarm Auto shut-off pump at low-flow condition Wireless Network *Bluetooth Low Energy (option) ATEX II 2G EEx ia IIC T4 Wireless Range Up to 15 ft. (5 m) for BLE (typical) Operating Temp4° to 113°F (-20° to 50°C) Humidity 0 to 95% relative humidity (non-condensing) Durable green rubber boot	Gas Monitor	Range	Resolution	Response Time	
Size 10" L x 3.0" W x 2.5" H (25.5 x 7.6 x 6.4 cm) Weight 26 oz (738 g) Sensors Photoionization sensor with standard 10.6 eV lamp Battery Alkaline battery adapter External field-replaceable lithium-ion battery pack, if specified Operating Hours 12 hours of operation on alkaline battery adapter (12 hours with lithium-ion battery pack) Display Graphic Lines, 28 x 43 mm, with LED back light Keypad Lower standard of the company o	VOCs	0 to 999.9 ppm	0.1 ppm	< 3 sec	
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Attachments Durable green rubber boot	Operating Temp.	-4° to 113°F (-20° to 50°C)			
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Warranty 3 years for 10.6 eV lamp, 1 year for pump, battery and instrument	Attachments	Durable green rubber l	ooot		
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^{*}Specifications are subject to change

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email: sales@geotechenv.com · website: www.geotechenv.com

OPTIONS

Monitor only includes:

- MiniRAE Lite+ Monitor, Model PGM-7300
- RAE Systems 10.6 eV UV lamp
- Flex-I-Probe
- · External filter
- Green rubber boot
- Alkaline battery adapter
- Lamp cleaning kit
- Tool kit
- Lithium-ion (Li-ion) battery, if specified with universal AC/DC charger and international plug kit
- · Travel charger, if specified
- · Universal wall adapter, if specified
- · Operation & Maintenance Manual
- · Soft leather carrying case

Monitor with accessories kit adds:

- · Hard transport case with pre-cut foam
- 5 porous metal filters and O-rings
- · Gas outlet port adapter and tubing

Optional calibration kit adds:

- · 100 ppm isobutylene calibration gas, 34L
- Calibration regulator and flow controller