

Photoionization Detector (PID)

RAE 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' (30m) 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 warranty**



CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc.
 2650 East 40th Avenue • Denver, Colorado 80205
 (303) 320-4764 • **(800) 833-7958** • FAX (303) 322-7242
 email: sales@geotechenv.com website: www.geotechenv.com

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SPECIFICATIONS		OPTIONS	
Sensor Specifications*			
	Range (ppm)	Resolution (ppm)	Response Time (T90)
Gas Monitor	0 to 999.9	0.1	< 3 sec
VOCs	1,000 to 5,000	1	< 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	<ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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		
Sampling Pump	<ul style="list-style-type: none"> Internal, integrated flow rate at 400 cc/min Sample from 100' (30m) horizontally and vertically 		
Low Flow Alarm	Auto shut-off pump at low-flow condition		
Hazard Area Approval	None		
Operating Temperature	-4° to 113° F (-20° to 50° C)		
Humidity	0 to 95% relative humidity (non-condensing)		
Attachments	Durable green rubber boot		
Warranty	3 years for 10.6 eV lamp, 1 year for pump, battery and instrument		
Monitor only includes:			
<ul style="list-style-type: none"> 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:			
<ul style="list-style-type: none"> Hard transport case with pre-cut foam 5 porous metal filters and O-rings Organic vapor zeroing kit Gas outlet port adapter and tubing 			
Optional calibration kit adds:			
<ul style="list-style-type: none"> 100 ppm isobutylene calibration gas, 34L Calibration regulator and flow controller 			

*Specifications are subject to change

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