

MiniRAE Lite

Portable Handheld VOC Monitor



Key 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
 - IP-65 design
- Strong, protective removable rubber boot

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.

Additional 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
- Accurate VOC monitoring
- Humidity compensation
- Easy to maintain and operate

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 carry case

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Sensor Specifications:

VOC's (High Resolution):

Range (ppm): 0 to 999.9

Resolution (ppm): 0.1

Response Time (T90): < 3 sec

VOC's

Range (ppm): 1,000 to 5,000

Resolution (ppm): 1

Response Time (T90): < 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:

26oz (738 g)

Sensors:

Photoionization sensor with standard 10.6eV 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

- 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:

IP-65

Calibration:

Two-point calibration for zero and span

Sampling Pump:

- 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

Hazardous 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

Part Number:

72-8019-Lite

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