

MiniRAE Lite

Portable Handheld VOC Monitor



Accurate VOC monitoring

Fastest response time (3 sec)

Humidity compensation

Easy to maintain and operate

Three-year lamp warranty

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.

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

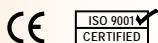


Additional Advantages

- 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



MiniRAE Lite shown in optional Cradle



MiniRAE Lite

Specifications

Sensor Specifications*

Gas Monitor	Range (ppm)	Resolution (ppm)	Response Time (T90)
VOCs	0 to 999.9	0.1	< 3 sec
VOCs	1000 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 10.6eV 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
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

*Specifications are subject to change

MiniRAE Lite Ordering 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
- Organic vapor zeroing kit
- Gas outlet port adapter and tubing

Optional calibration kit adds:

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

Ordering Information

Part Numbers

Monitor only with alkaline battery adapter

P/N 059-A100-000

Monitor with rechargeable Li-ion battery, accessory and calibration kit

P/N 059-A110-100





Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



UK Office

Keison Products,

P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England.

Tel: +44 (0)330 088 0560

Fax: +44 (0)1245 808399

Email: sales@keison.co.uk

Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.