MultiRAE

Wireless portable six-gas monitor with advanced VOC detection capability

The MultiRAE is the most advanced portable chemical detector on the market. The MultiRAE delivers the broadest PID sensor range in its class and the versatility to support 25 intelligent interchangeable sensor options (such as PID, NDIR for combustibles and CO₂, ammonia, chlorine, formaldehyde, and phosphine) to fully meet the monitoring needs in a variety of applications, including industrial hygiene, personal protection, leak detection, and HazMat response.

The MultiRAE’s optional wireless capability improves safety by providing commanders and safety officers real-time access to instrument readings and alarm status from any location¹ for better situational awareness and faster incident response.

Applications
- Industrial hygiene, personal protection, and leak detection in industries such as:
  - Aviation (wingtankentry)
  - Chemical
  - Environmental
  - Oil and gas
  - Pharmaceutical
  - Shipping/ marine
  - HazMat response
  - Clandestine drug labs

FEATURES & BENEFITS

- Highly versatile and customizable
- Best PID in its class (0 to 5,000 ppm range, 0.1 ppm resolution)
- Man Down Alarm with real-time remote wireless notification
- Compliant with MIL- SPEC-810G performance standard
- Fully automatic bump testing and calibration with AutoRAE 2

MultRAE used for worker exposure monitoring at an oil refinery

- Wireless access to real-time instrument readings and alarm status from any location¹
- Unmistakable five-way local and remote wireless notification of alarm conditions, including Man Down Alarm¹
- Intelligent sensors store calibration data, so they can be swapped in the field²
- Extensive on-board gas libraries (190 VOCs and 55 combustible gases)
- Largest display in its class
- Continuous datalogging (6 months for 5 sensors, 24x7)
- Device Management with Honeywell SafetySuite
### MultiRAE Specifications

<table>
<thead>
<tr>
<th>Instrument Specifications</th>
<th>Range</th>
<th>Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>VOC 10.6 EV (EXT. RANGE)</strong></td>
<td>0 to 5,000 ppm</td>
<td>0.1 ppm</td>
</tr>
<tr>
<td><strong>CATALYTIC LEL</strong></td>
<td>0 to 100% LEL</td>
<td>1% LEL</td>
</tr>
<tr>
<td><strong>CATALYST LEL</strong></td>
<td>0 to 100%</td>
<td>1% LEL</td>
</tr>
<tr>
<td><strong>CARBON DIOXIDE (CO₂) NDIR</strong></td>
<td>0 to 50,000 ppm</td>
<td>100 ppm</td>
</tr>
<tr>
<td><strong>AMMONIA (NH₃)</strong></td>
<td>0 to 100 ppm</td>
<td>1 ppm</td>
</tr>
<tr>
<td><strong>CARBON MONOXIDE (CO)</strong></td>
<td>0 to 500 ppm</td>
<td>1 ppm</td>
</tr>
<tr>
<td><strong>CARBON MONOXIDE (CO), EXT. RANGE</strong></td>
<td>0 to 2,000 ppm</td>
<td>10 ppm</td>
</tr>
<tr>
<td><strong>CARBON MONOXIDE (CO), H₂ COMP.</strong></td>
<td>0 to 2,000 ppm</td>
<td>10 ppm</td>
</tr>
<tr>
<td><strong>CARBON MONOXIDE (CO₂)</strong></td>
<td>0 to 500 ppm</td>
<td>1 ppm</td>
</tr>
<tr>
<td><strong>HYDROGEN SULFIDE (H₂S) COMBO</strong></td>
<td>0 to 200 ppm</td>
<td>0.1 ppm</td>
</tr>
<tr>
<td><strong>CHLORINE (Cl₂)</strong></td>
<td>0 to 50 ppm</td>
<td>0.1 ppm</td>
</tr>
<tr>
<td><strong>CHLORINE DIOXIDE (ClO₂)</strong></td>
<td>0 to 1 ppm</td>
<td>0.03 ppm</td>
</tr>
<tr>
<td><strong>ETHYLENE OXIDE (ETO-A)</strong></td>
<td>0 to 100 ppm</td>
<td>0.5 ppm</td>
</tr>
<tr>
<td><strong>ETHYLENE OXIDE (ETO-B)</strong></td>
<td>0 to 100 ppm</td>
<td>0.1 ppm</td>
</tr>
<tr>
<td><strong>FORMALDEHYDE (HCHO)</strong></td>
<td>0 to 10 ppm</td>
<td>0.05 ppm</td>
</tr>
<tr>
<td><strong>HYDROGEN CYANIDE (HCN)</strong></td>
<td>0 to 50 ppm</td>
<td>0.5 ppm</td>
</tr>
<tr>
<td><strong>HYDROGEN SULFIDE (H₂S)</strong></td>
<td>0 to 100 ppm</td>
<td>0.1 ppm</td>
</tr>
<tr>
<td><strong>METHYL MERCAPTAN (CH₃-SH)</strong></td>
<td>0 to 10 ppm</td>
<td>0.1 ppm</td>
</tr>
<tr>
<td><strong>NITRIC OXIDE (NO)</strong></td>
<td>0 to 250 ppm</td>
<td>0.5 ppm</td>
</tr>
<tr>
<td><strong>NITROGEN DIOXIDE (NO₂)</strong></td>
<td>0 to 20 ppm</td>
<td>0.1 ppm</td>
</tr>
<tr>
<td><strong>OXYGEN (O₂)</strong></td>
<td>0 to 30% Vol.</td>
<td>0.1% Vol.</td>
</tr>
<tr>
<td><strong>OXYGEN (LIQ O₂)</strong></td>
<td>0 to 30% Vol.</td>
<td>0.1% Vol.</td>
</tr>
<tr>
<td><strong>PHOSPHINE (PH₃)</strong></td>
<td>0 to 20 ppm</td>
<td>0.1 ppm</td>
</tr>
<tr>
<td><strong>PHOSPHINE (PH₃)</strong></td>
<td>0 to 20 ppm</td>
<td>0.1 ppm</td>
</tr>
<tr>
<td><strong>SULFUR DIOXIDE (SO₂)</strong></td>
<td>0 to 20 ppm</td>
<td>0.1 ppm</td>
</tr>
</tbody>
</table>

1. Additional equipment and/or software licenses may be required to enable remote wireless monitoring and alarm transmission.
2. RAE Systems recommends calibrating sensors on installation.
3. A two-gas combination sensor is required for a 6-gas configuration.
4. Specifications are subject to change.
6. Contact RAE Systems for country specific wireless approvals and certificates.

### Ordering Information

- **MODEL: PGM-6228**
- Wireless and non-wireless configurations are available.
- Refer to the Portables Pricing Guide for part numbers for monitors, accessories, sampling and calibration kits, gas, sensors, and replacement parts.

For more information

www.honeywellanalytics.com
www.raesytems.com

Europe, Middle East, Africa
Life Safety Distribution GmbH
Tel: 00800 333 222 44 (Freephone number)
Tel: +41 44 943 4380 (Alternative number)
Middle East Tel: +971 4 450 5800 (Fixed Gas Detection)
gasdetection@honeywell.com

Americas
Honeywell Analytics Distribution Inc.
Tel: +1 847 955 8200
Toll free: +1 800 538 0363
detectgas@honeywell.com
Honeywell RAE Systems
Phone: +1 408 952 8200
Toll Free: +1 888 723 4800

Asia Pacific
Honeywell Analytics Asia Pacific
Tel: +82 (0) 2 6909 0300
India Tel: +91 124 4752 700
China Tel: +86 10 5885 8788-3000
analytics.ap@honeywell.com

Technical Services
EMEA: HAexpert@honeywell.com
US: ha.us.service@honeywell.com
AP: ha.ap.service@honeywell.com

datasheet_MultiRAE_DS-1070-11_US-EN

©2018 Honeywell International Inc.

Device Management with Honeywell SafetySuite

honeywellanalytics.com/SafetySuite