The AutoRAE 2 Automatic Test and Calibration System for RAE Systems portable monitors makes instrument testing and calibration compliance as easy as pressing a button. Simply cradle the monitor, and the system takes care of calibration, testing, and battery recharging.

The AutoRAE 2 system is flexible and modular, and can be configured to efficiently meet your calibration and records management requirements. An AutoRAE 2 system can be as simple as a single cradle deployed in stand-alone mode to calibrate one instrument at a time, or as powerful as a networked, controller-based system supporting 10 instrument cradles and 5 distinct calibration gases or gas mixtures.

**FEATURES**

- Automatic testing, calibration, charging system
- Easy, one-touch bump testing, calibration, charging, and records management
- Supports a wide variety of gases, including exotics
- Optimized for field use – does not require a computer to operate
- Firmware – upgradeable to protect your investment
- Deployable as a stand-alone cradle or a controller-based system with up to 10 cradles
- Controller with a large, color LCD display
- Networking capability
- Up to 5 calibration gas cylinders can be connected at the same time*
- Automatic instrument firmware update option
- Instruments datalogging file recorded automatically on controller SD card
- Bench-top or wall-mounted use
- Instruments supported: ToxiRAE Pro, ToxiRAE Pro LEL, ToxiRAE Pro PID, ToxiRAE Pro CO₂, QRAE 3, MultiRAE Lite (Pumped), MultiRAE and MultiRAE Pro
- Single cradle for all QRAE 3 and ToxiRAE Pro family instruments

*Supported only on configurations that include the AutoRAE 2 Controller.

**INDUSTRIES**

- Oil and Gas
- Industrial
- Environmental
- Fire Service
- National Security

The high-resolution color display on the controller provides a rich, intuitive user experience.

**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
e-mail: sales@geotechenv.com  •  website: www.geotechenv.com
## RAE Systems AutoRAE 2

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Category</th>
<th>AutoRAE 2 Controller</th>
<th>MultiRAE Cradle</th>
<th>QRAE 3 Cradle</th>
<th>ToxiRAE Pro Cradle</th>
<th>Terminal Adapter</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Size</strong></td>
<td>5.63&quot; W x 10.43&quot; L x 1.73&quot; H (143 x 265 x 44 mm)</td>
<td>6.50&quot; W x 12.68&quot; L x 4.37&quot; H (165 x 322 x 111 mm)</td>
<td>6.50&quot; W x 12.60&quot; L x 4.65&quot; H (165 x 320 x 118 mm)</td>
<td>6.50&quot; W x 11.61&quot; L x 3.91&quot; H (165 x 295 x 99 mm)</td>
<td>2.17&quot; W x 8.86&quot; L x 1.65&quot; H (55 x 225 x 42 mm)</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>1.9 lbs. (0.86 kg)</td>
<td>1.9 lbs. (0.86 kg)</td>
<td>2.16 lbs. (0.98 kg)</td>
<td>1.96 lbs. (0.89 kg)</td>
<td>0.33 lbs. (0.15 kg)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Category</th>
<th>AutoRAE 2 Controller</th>
<th>Cradles:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power Supply</strong></td>
<td>AC adapter (110V to 240V input, 12V output, 7.5A)</td>
<td>Charges up to 10 instruments at a time</td>
</tr>
<tr>
<td></td>
<td>Cradles: AC adapter (110V to 240V input, 12V, 1.25A output)</td>
<td>Charges one instrument at a time</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Category</th>
<th>AutoRAE 2 Controller</th>
<th>Cradles:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cradles Supported</strong></td>
<td>Up to 10 cradles total (any mix, any order)</td>
<td>No additional cradles supported</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>Category</th>
<th>AutoRAE 2 Controller</th>
<th>Cradles:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Display</strong></td>
<td>5.7&quot; TFT (320 x 240) graphical backlit color LCD</td>
<td>2 seven-segment LEDs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Category</th>
<th>AutoRAE 2 Controller</th>
<th>Cradles:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Buttons</strong></td>
<td>3 buttons ([Mode], [Y/+], and [N/-])</td>
<td>2 buttons ([Bump] and [Call])</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Category</th>
<th>AutoRAE 2 Controller</th>
<th>Cradles:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Real-time Clock</strong></td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

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<tr>
<th>Category</th>
<th>AutoRAE 2 Controller</th>
<th>Cradles:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Visual Alarm/Indicators</strong></td>
<td>Color graphical LCD display</td>
<td>Tri-color (red/green/yellow) LED lights</td>
</tr>
</tbody>
</table>

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<tr>
<th>Category</th>
<th>AutoRAE 2 Controller</th>
<th>Cradles:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Audible Alarm</strong></td>
<td>90dB @ 12&quot; (30 cm)</td>
<td>Same as above</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Category</th>
<th>AutoRAE 2 Controller</th>
<th>Cradles:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Gas Inlet/Outlet Ports</strong></td>
<td>6 inlets (1 dedicated fresh air inlet and 5 configurable calibration gas inlets); 1 exhaust port</td>
<td>3 inlets (1 dedicated fresh air inlet and 2 configurable calibration gas inlets); 1 exhaust port</td>
</tr>
</tbody>
</table>

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<tr>
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<th>AutoRAE 2 Controller</th>
<th>Cradles:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Gas Port Connectors</strong></td>
<td>Connectors with 200-series barbs, 1/8&quot; (3.18 mm) ID tubing</td>
<td>Same as above</td>
</tr>
</tbody>
</table>

### Gas Regulator
- **AutoRAE 2 Controller:** Demand-flow regulator (0 to 1,000 psig/70 bar)
- **Cradles:** Same as above

### Pump Flow
- **AutoRAE 2 Controller:** Built-in pump (500 ml/min)
- **Cradles:** NA for pumped instruments, (400 ml/min typical) for diffusion instruments

### Data Storage
- **AutoRAE 2 Controller:** Standard 2 GB SD card with security lock
- **Cradles:** None. Data stored only on PC

### PC Communications
- **AutoRAE 2 Controller:** USB (Type B) port for direct connection to PC
- **Cradles:** Not supported

### Printer Support
- **AutoRAE 2 Controller:** Direct printing on serial (RS-232) printers
- **Cradles:** Not supported

### Networking
- **AutoRAE 2 Controller:** Direct cable (RJ-45 10/100 Base T port)
- **Cradles:** Not supported

### Operating System
- **AutoRAE 2 Controller:** PC-based configuration via ProRAE Studio II software. Can be performed using networking capability
- **Cradles:** PC-based configuration via ProRAE Studio II software

### Wall-mounting
- **AutoRAE 2 Controller:** Standard 35 DIN rail
- **Cradles:** Standard 35 DIN rail

### Operating Temperature
- **AutoRAE 2 Controller:** 32°F to 122°F (0°C to 50°C)
- **Cradles:** 32°F to 122°F (0°C to 50°C)

### Operating Humidity
- **AutoRAE 2 Controller:** 5% to 95% relative humidity (non-condensing)
- **Cradles:** 5% to 95% relative humidity (non-condensing)

### Languages
- **AutoRAE 2 Controller:** English
- **Cradles:** English

### Compliance
- **AutoRAE 2 Controller:** CE
- **Cradles:** CE

### Warranty
- **AutoRAE 2 Controller:** 2-year limited warranty
- **Cradles:** 2-year limited warranty

Specifications are subject to change.

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**ORDERING**

Contact Geotech for ordering information for the AutoRAE 2 Automatic Test and Calibration System and its components.

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