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.

**KEY FEATURES**

- Automatic testing, calibration, charging system
- 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 FW 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

**INDUSTRIES**

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

* Supported only on configurations that include the AutoRAE 2 Controller
### Specifications

<table>
<thead>
<tr>
<th>Spec</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>Size</td>
<td>Width: 5.63&quot; x 10.43&quot; Height: 1.73&quot; (143 x 265 x 44 mm)</td>
<td>Width: 6.50&quot; x 12.68&quot; Height: 4.37&quot; (165 x 322 x 111 mm)</td>
<td>Width: 6.50&quot; x 12.60&quot; Height: 4.65&quot; (165 x 320 x 118 mm)</td>
<td>Width: 6.50&quot; x 11.61&quot; Height: 3.91&quot; (165 x 295 x 99 mm)</td>
<td>Width: 2.17&quot; x 8.86&quot; Height: 1.65&quot; (55 x 225 x 42 mm)</td>
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<tr>
<td>Weight</td>
<td>AutoRAE 2 Controller: 1.9 lbs. (0.86 kg)</td>
<td>MultiRAE Cradle: 1.9 lbs. (0.86 kg)</td>
<td>QRAE 3 Cradle: 2.16 lbs (0.98 kg)</td>
<td>ToxiRAE Pro Cradle: 1.96 lbs. (0.89 kg)</td>
<td>Terminal Adapter: 0.33 lbs. (0.15 kg)</td>
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<tr>
<td>Power Supply</td>
<td>AutoRAE 2 Controller: AC adapter (110V to 240V input, 12V output, 7.5A) Charges up to 10 instruments at a time</td>
<td>Cradles: AC adapter (110V to 240V input, 12V, 1.25A output) Charges one instrument at a time</td>
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<tr>
<td>Cradles</td>
<td>AutoRAE 2 Controller: Up to 10 cradles total (any mix, any order) No additional cradles supported</td>
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<tr>
<td>Display</td>
<td>AutoRAE 2 Controller: 5.7&quot; TFT (320 x 240) graphical backlit color LCD Cradles: 2 seven-segment LEDs</td>
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<tr>
<td>Buttons</td>
<td>AutoRAE 2 Controller: 3 buttons ([Mode], [Y/+], and [N/-]) Cradles: 2 buttons ([Bump] and [Cal])</td>
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<td>Real-time Clock</td>
<td>AutoRAE 2 Controller: Yes Cradles: Yes</td>
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<tr>
<td>Visual Alarm/Indicators</td>
<td>AutoRAE 2 Controller: Color graphical LCD display Cradles: Tri-color (red/green/yellow) LED lights</td>
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<tr>
<td>Audible Alarm</td>
<td>AutoRAE 2 Controller: 90dB @ 12&quot; (30 cm) Cradles: Same as above</td>
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<tr>
<td>Gas Inlet/Outlet Ports</td>
<td>AutoRAE 2 Controller: 6 inlets (1 dedicated fresh air inlet and 5 configurable calibration gas inlets); 1 exhaust port Cradles: 3 inlets (1 dedicated fresh air inlet and 2 configurable calibration gas inlets), 1 exhaust port</td>
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<tr>
<td>Gas Port Connectors</td>
<td>AutoRAE 2 Controller: Connectors with 200-series barbs, 1/8&quot; (3.18 mm) ID tubing Cradles: Same as above</td>
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<tr>
<td>Gas Regulator</td>
<td>AutoRAE 2 Controller: Demand-flow regulator (0 to 1,000 psig/70 bar) Cradles: Same as above</td>
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<tr>
<td>Pump Flow Rate</td>
<td>AutoRAE 2 Controller: Built-in pump (500 ml/min) NA for pumped instruments, (400 ml/min typical) for diffusion instruments Cradles: Same as above</td>
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<tr>
<td>Data Storage</td>
<td>AutoRAE 2 Controller: Standard 2 GB SD card with security lock None. Data stored only on PC Cradles: Same as above</td>
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<tr>
<td>PC Communications</td>
<td>AutoRAE 2 Controller: USB (Type B) port for direct connection to PC Cradles: Same as above</td>
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<tr>
<td>Printer Support</td>
<td>AutoRAE 2 Controller: Direct printing on serial (RS-232) printers Cradles: Not supported</td>
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</table>

### Ordering Options

An AutoRAE 2 system configured with the Controller and three Cradles for ToxiRAE Pro, QRAE 3 and MultiRAE pumped monitors.

### Ordering Information

**Product** | **Part Number**
---|---
AutoRAE 2 Controller | T02-0107-000
AutoRAE 2 Cradle for ToxiRAE Pro Models | T02-3101-000
AutoRAE 2 Cradle for MultiRAE Pumped Models | T02-0103-000
AutoRAE 2 Cradle for QRAE 3 Models | T02-0203-000
AutoRAE 2 Cradle for MultiRAE Pumped Models | T02-0103-000
Wi-Fi Module for AutoRAE 2 Controller | T02-0303-000

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