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.

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

INDUSTRIES

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

Technical Specifications

Size	**AutoRAE 2 Controller:** 5.63"W x 10.43"L x 1.73"H (143 x 265 x 44 mm) **MultiRAE Cradle:** 6.50"W x 12.68"L x 4.37"H (165 x 322 x 111 mm) **QRAE 3 Cradle:** 6.50"W x 12.60"L x 4.65"H (165 x 320 x 118 mm) **ToxiRAE Pro Cradle:** 6.50"W x 11.61"L x 3.91"H (165 x 295 x 99 mm) **Terminal Adapter:** 2.17"W x 8.86"L x 1.65"H (55 x 225 x 42 mm)
Weight	**AutoRAE 2 Controller:** 1.9 lbs. (0.86 kg) **MultiRAE Cradle:** 1.9 lbs. (0.86 kg) **QRAE 3 Cradle:** 2.16 lbs. (0.98kg) **ToxiRAE Pro Cradle:** 1.96 lbs. (0.89 kg) **Terminal Adapter:** 0.33 lbs. (0.15 kg)
Power Supply	**AutoRAE 2 Controller:** AC adapter (110V to 240V input, 12V output, 7.5A) Charges up to 10 instruments at a time **Cradles:** AC adapter (110V to 240V input, 12V, 1.25A output) Charges one instrument at a time
Cradles Supported	AutoRAE 2 Controller: Up to 10 cradles total (any mix, any order) **Cradles:** No additional cradles supported
Display	**AutoRAE 2 Controller:** 5.7"TFT (320 x 240) graphical backlit color LCD **Cradles:** 2 seven-segment LEDs
Buttons	**AutoRAE 2 Controller:** 3 buttons ([Mode], [Y/+], and [N/-]) **Cradles:** 2 buttons ([Bump] and [Cal])
Real-time Clock	**AutoRAE 2 Controller:** Yes **Cradles:** Yes
Visual Alarm/Indicators	**AutoRAE 2 Controller:** Color graphical LCD display **Cradles:** Tri-color (red/green/yellow) LED lights
Audible Alarm	**AutoRAE 2 Controller:** 90dB @ 12" (30 cm) **Cradles:** Same as above
Gas Inlet/Outlet Ports	**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
Gas Port Connectors	**AutoRAE 2 Controller:** Connectors with 200-series barbs, 1/8" (3.18 mm) ID tubing **Cradles:** Same as above
Gas Regulator	**AutoRAE 2 Controller:** Demand-flow regulator (0 to 1,000 psig/70 bar) **Cradles:** Same as above
Pump Flow Rate	**AutoRAE 2 Controller:** Built-in pump (500 ml/min) **Rate 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:** Same as above
Printer Support	**Cradles:** Direct printing on serial (RS-232) printers
Networking	**AutoRAE 2 Controller:** Direct cable (RJ-45 10/100 Base T port) Wi-Fi module (accessory) **Cradles:** Not supported
System Configuration	**AutoRAE 2 Controller:** PC-based configuration via Safety Suite Premium software. Can be performed using networking capability **Cradles:** PC-based configuration via Safety Suite Premium software
Wall-mounting Accessory	**AutoRAE 2 Controller:** Standard TS35 DIN rail **Cradles:** Standard TS35 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

ORDERING

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

CALL GEOTECH TODAY
(800) 833-7958

Geotech Environmental Equipment, Inc.
2650 East 40th Avenue Denver, Colorado 80205
(303) 320-4764   FAX (303) 322 7242
email: sales@geotechenv.com   website: www.geotechenv.com

autorae_2.pdf 03/22/24