



AutoRAE

Automated Bump Test and Calibration System

Now it is easy to maximize safety

AutoRAE is an auto-calibration, bump test and charging system for RAE Systems gas monitors.

Supports Most Monitors

This first release features **AutoRAE** for EntryRAE, and throughout 2005 **AutoRAE** cradles will become available for the MultiRAE Plus, QRAE Plus, MiniRAE 2000 and ppbRAE Plus.

Pushbutton Easy

Press the button once for a bump test, twice for calibration, and walk away. A few minutes later, easy-to-read LEDs inform you of the status of the gas monitor's sensors. If the monitor fails the bump test, the system automatically performs a calibration.

No PC Needed

Simple to operate, this PC-free version is highly portable.

For One, Two, or Many

Consisting of one controller plus cradles, the system accommodates up to 10 cradles. It is easy to add cradles when the job demands it, and it is easy to add controllers, expanding one system into several systems.

Snap-Together Construction

Connecting the cradle to the controller or connecting cradles to each other is a snap. A single rigid mechanism containing all three throughputs (power, data, and gas) snaps one cradle to another.

Simply place the EntryRAE in a cradle (with the external filter on!) and the power, gas, and data ports of the gas monitor are all engaged.

Key Features

- Automatic calibration
- Automatic bump test
- Automatic charging
- PC-free, pushbutton easy
- Reduces or eliminates the need for specialized service technicians
- Monitors always calibrated and charged
- Increases user confidence and safety



Specifications*

Calibration Gas Specifications

Sensor(s) Calibrated	Gas	Regulator
PID	100 ppm Isobutylene	Demand-flow
Oxygen	Fresh Air	None
Combustible, Carbon Monoxide, and Hydrogen Sulfide	4-gas mix: 50% LEL, 20.9% O ₂ , 10 ppm H ₂ S, 50 ppm CO	Demand-flow

AutoRAE Specifications*

Size	<ul style="list-style-type: none">• Controller: 11.0" x 3.38" x 8.63" (27.94 cm x 8.59 cm x 21.92 cm)• EntryRAE Cradle: 6.31" x 5.38" x 4.88" (16.03 cm x 13.67 cm x 12.40 cm)
Gas Inlets	<ul style="list-style-type: none">• One fresh air, one isobutylene, one 4-gas mix
Monitors Supported	<ul style="list-style-type: none">• EntryRAE• MultiRAE Plus - in 2005• QRAE Plus - in 2005• MiniRAE 2000 - in 2005• ppbRAE Plus - in 2005
Power Supply	<ul style="list-style-type: none">• Universal Power Supply
Keypad	<ul style="list-style-type: none">• One-button operation
Cradle LEDs	<ul style="list-style-type: none">• Charge - flashes when in process, steady when complete• Bump - flashes when in process, steady when complete• Cal - flashes when in process, steady when complete• Fail - flashes when a leak detected, steady when calibration fails
Warranty	Lifetime on non-consuming components (per RAE Systems standard warranty), 1 year for pumps and solenoid valves

*Ongoing projects to enhance our products mean that these specifications are subject to change.

AutoRAE Starter Kit (PN 048-5900-000)

- One AutoRAE Controller
- Tubing to connect two cylinders of calibration gases
- One EntryRAE cradle
- Universal Power Supply
- One PC-PC Ethernet cable for firmware upgrading
- User manual and quick start guide
- Shipping cases

EntryRAE Cradle (PN 048-0154-000)

- One EntryRAE cradle
- Shipping case

AutoRAE Controller (PN 048-0153-000)

- One controller
- Tubing to connect two cylinders of calibration gases
- Universal Power Supply
- One PC-PC Ethernet cable for firmware upgrading
- User manual and quick start guide
- Shipping case

AutoRAE Accessories

- Isobutylene span gas
 - 34-liter cylinder of 100 ppm isobutylene calibration gas (pn 600-0002-000)
- 4-gas mix span gas
 - 34-liter cylinder of 4-gas mix (50% LEL methane, 20.9% oxygen, 10 ppm hydrogen sulfide, 50 ppm carbon monoxide, balance nitrogen) (pn 600-0050-004)

Note: AutoRAE requires the use of demand-flow regulators

- Female-threaded demand-flow regulator for the isobutylene cylinder (pn 002-3051-000)
- Male-threaded demand-flow regulator for the 4-gas mix cylinder (pn 008-3052-000)

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