

AutoRAE

Automated Bump Test and Calibration System

Now it is easy to maximize safety

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

Supports Multiple Monitors

AutoRAE cradles are available for EntryRAE, MiniRAE2000, MultiRAE Plus*, QRAE*, MiniRAE 3000, and QRAE 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.

Printing Capability

The ability to print bump and calibration certificates with an optional external printer.

No PC Needed

An optional external printer allows AutoRAE to print bump test and calibration certificates for record keeping.

For One, Two, or Many

Each AutoRAE controller can accommodate up to 10 instrument cradles. Cradles can be easily added or removed when the job demands it.

Snap-Together Construction

Connecting the cradle to the controller and 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 monitor 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 and bump testing
- Automatic charging
- PC-free, pushbutton easy
- Reduces or eliminates the need for specialized service technicians
- Monitors are always calibrated and charged
- Increases user confidence and safety
- Bump and calibration certificates can be printed or saved to a computer for record keeping



* MultiRAE Plus (non-silver box), QRAE (non-silver box)

Specifications*

Calibration Gas Specifications

Sensor(s) Calibrated	Gas	Regulator
PID	100 ppm Isobutylene	Demand-flow
Oxygen	Fresh Air	None
Combustible, Carbon Monoxide, and Hydrogen	<ul style="list-style-type: none"> • 4-gas mix: 50% LEL, 20.9% O₂, 10 ppm H₂S, 50 ppm CO • 4-gas mix: 50% LEL, 18% O₂, 10 ppm H₂S, 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	One fresh air, one isobutylene, one 4-gas mix
Monitors Supported in a Single Block	<ul style="list-style-type: none"> • EntryRAE • MiniRAE 2000 • MultiRAE Plus (non-silver box) • QRAE (non-silver box) • QRAE Plus • MiniRAE 3000
Power Supply	Universal Power Supply
Keypad	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 is detected, steady when calibration fails
Warranty	One year

*Specifications are subject to change

AutoRAE Starter Kit

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

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 of 50% LEL methane, 20.9% oxygen, 10 ppm hydrogen sulfide, 50 ppm carbon monoxide, balance nitrogen (PN 600-0050-004)
- **Printer Kit**
Includes Epson printer, cable, one set of paper (PN 550-0250-000)

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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