

# AutoRAE 2

## Automatic Test and Calibration System

### Docking Station



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 standalone 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
  - MultiRAE Lite (Pumped)
  - MultiRAE Pro
- Single cradle for all QRAE 3 and ToxiRAE Pro family instruments

- 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

### Industries

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

### Ordering Options

The AutoRAE 2 Automatic Test and Calibration System and its components can be ordered using the Portables Pricing Guide via RAE Systems distribution partners selling portable products.

### Ordering Information

#### Product

- AutoRAE 2 Controller (Includes terminal adapter)
- AutoRAE 2 Cradle for ToxiRAE Pro Models (Includes adapters for all ToxiRAE Pro models)
- AutoRAE 2 Cradle for MultiRAE Pumped Models
- AutoRAE 2 Cradle for QRAE 3 Models
- AutoRAE 2 Cradle for MultiRAE Pumped Models
- Wi-Fi Module for AutoRAE 2 Controller

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

# AutoRAE 2

## Automatic Test and Calibration System

Size	AutoRAE 2 Controller: MultiRAE Cradle: QRAE 3 Cradle: ToxiRAE Pro Cradle: Terminal Adapter:	5.63" W x 10.43" L x 1.73" H (143 x 265 x 44 mm) 6.50" W x 12.68" L x 4.37" H (165 x 322 x 111 mm) 6.50" W x 12.60" L x 4.65" H (165 x 320 x 118 mm) 6.50" W x 11.61" L x 3.91" H (165 x 295 x 99 mm) 2.17" W x 8.86" L x 1.65" H (55 x 225 x 42 mm)
Weight	AutoRAE 2 Controller: MultiRAE Cradle: QRAE 3 Cradle: ToxiRAE Pro Cradle: Terminal Adapter:	1.9 lbs. (0.86 kg) 1.9 lbs. (0.86 kg) 2.16 lbs (0.98kg) 1.96 lbs. (0.89 kg) 0.33 lbs. (0.15 kg)
Power Supply	AutoRAE 2 Controller: Cradles:	AC adapter (110V to 240V input, 12V output, 7.5A), Charges up to 10 instruments at a time AC adapter (110V to 240V input, 12V, 1.25A output), Charges one instrument at a time
Cradles Supported	AutoRAE 2 Controller: Cradles:	Up to 10 cradles total (any mix, any order) No additional cradles supported
Display	AutoRAE 2 Controller: Cradles:	5.7" TFT (320 x 240) graphical backlit color LCD 2 seven-segment LEDs
Buttons	AutoRAE 2 Controller: Cradles:	3 buttons ([Mode], [Y/+], and [N/-]) 2 buttons ([Bump] and [Cal])
Real-time Clock	AutoRAE 2 Controller: Cradles:	Yes Yes
Visual Alarm/Indicators	AutoRAE 2 Controller: Cradles:	Color graphical LCD display Tri-color (red/green/yellow) LED lights
Audible Alarm	AutoRAE 2 Controller: Cradles:	90dB @ 12" (30 cm) 90dB @ 12" (30 cm)
Gas Inlet/Outlet Ports	AutoRAE 2 Controller: Cradles:	6 inlets (1 dedicated fresh air inlet and 5 configurable calibration gas inlets); 1 exhaust port 3 inlets (1 dedicated fresh air inlet and 2 configurable calibration gas inlets); 1 exhaust port
Gas Port Connectors	AutoRAE 2 Controller: Cradles:	Connectors with 200-series barbs, 1/8" (3.18 mm) ID tubing Connectors with 200-series barbs, 1/8" (3.18 mm) ID tubing
Gas Regulator	AutoRAE 2 Controller: Cradles:	Demand-flow regulator (0 to 1,000 psig/70 bar) Demand-flow regulator (0 to 1,000 psig/70 bar)
Pump Flow Rate	AutoRAE 2 Controller: Cradles:	Built-in pump (500 ml/min) NA for pumped instruments, (400 ml/min typical) for diffusion instruments
Data Storage	AutoRAE 2 Controller: Cradles:	Standard 2 GB SD card with security lock None. Data stored only on PC
PC Communications	AutoRAE 2 Controller: Cradles:	USB (Type B) port for direct connection to PC USB (Type B) port for direct connection to PC
Printer Support	Cradles:	Direct printing on serial (RS-232) printers
Networking	AutoRAE 2 Controller: Cradles:	Direct cable (RJ-45 10/100 Base T port), Wi-Fi module (accessory) Not supported
System Configuration	AutoRAE 2 Controller: Cradles:	PC-based configuration via ProRAE, Studio II software. Can be performed using networking capability PC-based configuration via ProRAE Studio II software
Wall-mounting Accessory	AutoRAE 2 Controller: Cradles:	Standard TS35 DIN rail Standard TS35 DIN rail
Operating Temperature	AutoRAE 2 Controller: Cradles:	32° F to 122° F (0° C to 50° C) 32° F to 122° F (0° C to 50° C)
Operating Humidity	AutoRAE 2 Controller: Cradles:	5% to 95% relative humidity (non-condensing) 5% to 95% relative humidity (non-condensing)
Languages	AutoRAE 2 Controller: Cradles:	English English
Compliance	AutoRAE 2 Controller: Cradles:	CE CE
Warranty	AutoRAE 2 Controller: Cradles:	2-year limited warranty 2-year limited warranty

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