AutoRAE 2

Automatic Test and Calibration System

The AutoRAE 2 Automatic Test and Calibration System for RAE Systems portable monitors makes compliance with gas testing and calibration requirements as easy as pressing a button. Simply cradle the monitor and the system takes care of calibration, testing, and recharging.

The AutoRAE 2 system is flexible and modular, and can be configured to efficiently meet your calibration 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[1], controller-based system supporting 10 instruments and 5 distinct calibration gas cylinders.

- Easy, one-touch bump testing, calibration, charging, and records management[1]

- 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

KEY FEATURES

- Automatic testing, calibration, charging, and records management[1]
- Deployable as a stand-alone cradle or a controller-based system with up to 10 cradles
- Controller with a large, color LCD display
- Up to 5 calibration gas cylinders can be connected at the same time[2]
- Direct printer connection
- Data storage on a standard SD card
- Bench-top or wall-mounted use
- Instruments supported: ToxiRAE Pro, ToxiRAE Pro LEL, ToxiRAE Pro PID, ToxiRAE Pro CO_2, MultiRAE Lite (Pumped), MultiRAE and MultiRAE Pro
- Single cradle for all ToxiRAE Pro family instruments (cradles supplied with adapters and stickers)

INDUSTRIES

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

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

An AutoRAE 2 system configured with the Controller and 10 cradles for MultiRAE pumped and ToxiRAE Pro monitors.

[1] Future feature
[2] Supported only on configurations that include the AutoRAE 2 Controller

ISO 9001 CERTIFIED   CE

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SPECIFICATIONS[3]

Size	AutoRAE 2 Controller:	5.63" W x 10.43" L x 1.73" H (143 x 265 x 44 mm)
	MultiRAE Cradle[4]:	6.50" W x 12.68" L x 4.37" H (165 x 322 x 111 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)
	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)
	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)
	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	AutoRAE 2 Controller:	Direct printing on USB printers[5]
	Cradles:	Direct printing on serial (RS-232) printers

Networking[2]	AutoRAE 2 Controller:	RJ-45 10/100 Base-T port
	Cradles:	Not supported
System Configuration	AutoRAE 2 Controller:	PC-based configuration via ProRAE Studio II software
	Cradles:	PC-based configuration via ProRAE Studio II 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

[3] Specifications are subject to change

[4] Specifications for the AutoRAE 2 cradle for MultiRAE pumped monitors

[5] USB printer must support HP Printer Command Language PCL5 or PCL5e

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	Part Number
AutoRAE 2 Controller Includes terminal adapter	T02-0107-000
AutoRAE 2 Cradle for MultiRAE Pumped Models	T02-0103-000
AutoRAE 2 Cradle for ToxiRAE Pro Models Includes adapters for all ToxiRAE Pro models	T02-0003-000
AutoRAE 2 MultiRAE Starter Kit Includes AutoRAE 2 Controller with terminal adapter, 1 MultiRAE (Pumped) Cradle, and in-the-box accessories	T02-0101-000
AutoRAE 2 MultiRAE Site Kit Includes AutoRAE 2 Controller with terminal adapter, 10 MultiRAE (Pumped) Cradles, and in-the-box accessories	T02-0102-000
AutoRAE 2 ToxiRAE Pro Starter Kit Includes AutoRAE 2 Controller with terminal adapter, 1 ToxiRAE Pro Cradle, and in-the-box accessories	T02-0001-000
AutoRAE 2 ToxiRAE Pro Site Kit Includes AutoRAE 2 Controller with terminal adapter, 10 ToxiRAE Pro Cradles, and in-the-box accessories	T02-0002-000

AutoRAE 2 Cradles for MultiRAE pumped and ToxiRAE Pro monitors.