Q Instrument Services

Honeywell

RAE SYSTEMS®

AutoRAE 2

Automatic Test and Calibration System

The AutoRAE 2 Automatic Test and Calibration System for Honeywell 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.

- 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

An AutoRAE2 system configured with all cradle types.

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

FEATURES & BENEFITS

- 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 Series
  - QRAE3, MicroRAE
  - MultiRAE Series (except diffusion model)

- Single Cradle for all Handheld PID, QRAE 3 and ToxiRAE Pro family instruments
- Device Management with Honeywell SafetySuite

* Supported only on configurations that include the AutoRAE 2 Controller

AutoRAE 2 Automatic Test and Calibration System

SPECIFICATIONS

SIZE	AutoRAE 2 Controller:	5.63" x 10.43" x 1.73" (143 x 265 x 44 mm)
	Terminal Adapter:	2.17" x 8.86" x 1.65" (55 x 225 x 42 mm)
	ToxiRAE Pro Cradle:	6.50" x 11.61" x 3.91" (165 x 295 x 99 mm)
	MicroRAE Cradle:	11" x 7.08" x 3.93" (280 x 180 x 100 mm)
	QRAE 3 Cradle:	6.50" x 12.60" x 4.65" (165 x 320 x 118 mm)
	MultiRAE Cradle:	6.50" x 12.68" x 4.37" (165 x 322 x 111 mm)
	HandheldPIDCradle:	6.50" x 16.80" x 4.43" (165 x 427 x 126 mm)
	Extended:	6.50" x 20.31" x 4.43" (165 x 516 x 126 mm)
WEIGHT	AutoRAE2Controller:	1.90 lbs. (0.86 kg)
	Terminal Adapter:	0.33 lbs. (0.15 kg)
	ToxiRAE Pro Cradle:	1.96 lbs. (0.89 kg)
	MicroRAE Cradle:	1.90 lbs. (0.86 kg)
	QRAE 3 cradle:	2.16 lbs. (0.98 kg)
	MultiRAE Cradle:	1.90 lbs. (0.86 kg)
	Handheld PID cradle:	2.79 lbs. (1.27 kg)
POWER SUPPLY	AutoRAE 2 Controller:	AC adapter (110 V to 240 V input, 12 V output, 7.5 A) Charges up to 10 instruments at a time
	Cradles:	AC adapter (110 V to 240 V input, 12 V, 1.25 A 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:	90 dB 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

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 software. Can be performed using networking capability
	Cradles:	PC-based configuration via 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:	% 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 OPTIONS

Refer to the Portables Pricing Guide for a complete list of AutoRAE 2 components and accessories

ORDERING INFORMATION

PRODUCT	PART NUMBER
AutoRAE 2 Controller Includes terminal adapter	T02-0107-000
AutoRAE 2 Cradle for ToxiRAE Pro Models Includes adapters for all ToxiRAE Pro models	T02-0003-000
AutoRAE 2 Cradle for QRAE 3 Models	T02-0203-000
AutoRAE 2 Cradle for MicroRAE Models	T02-0503-000
AutoRAE 2 Cradle for MultiRAE Pumped Models	T02-0103-000
AutoRAE 2 Cradle for Handheld PID Models Supports MiniRAE Lite, MiniRAE 3000, UltraRAE 3000 and ppbRAE 3000	T02-0403-000
Wi-Fi Module for AutoRAE 2 Controller	T02-0303-000

For more information

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Device Management with
Honeywell SafetySuite

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