Honeywell

RAE SYSTEMS

AreaRAE Pro
Wireless, transportable area monitor

Remote visibility on more threats than ever — for an enhanced level of real-time situational awareness.

Superior wireless, transportable multi threat area monitoring for fire, military and hazmat teams

AreaRAE Pro is a transportable multi-threat area monitor that simultaneously detects toxic and combustible gases, Volatile Organic Compounds (VOCs), radiation, and meteorological factors that affect the speed, direction and behavior of gas — for enhanced situational awareness. It works with Honeywell's remote monitoring software, so you can see the real-time threat readings, alarm status, location of each AreaRAE Pro and much more — and make faster, more informed safety decisions.

Multiple threats. Multiple applications

AreaRAE Pro is designed for the needs of:

- **Emergency responders**
- **Fire departments**
- **Law enforcement**
- **Hazmat teams**
- **Military teams**
- **Civil support teams**

Whether you're carrying the monitor into a hot zone, setting up a perimeter or deploying it at a public venue — for hours, days or weeks at a time — count on the AreaRAE Pro to give you the right hazard intelligence so you can ensure the safety of your teams and the general public.

Remote monitoring from a safe location — for real-time situational awareness

AreaRAE Pro sends gas, radiation, meteorological readings and location data to real-time monitoring software, so you can see the status of each monitor — plus other wireless gas detectors in your fleet — all in an easy-to-use, map-based display, accessible from any computer with an internet connection. That means you can instantly determine the location and severity of a threat, while coordinating joint operations and sharing data with other teams.

Don't have an internet connection on the scene?
Use our ruggedized military-spec laptop as a turnkey host, enabling you to monitor readings from a safe position up to 2 miles / 3 kilometers away. Depending on the environment the wireless communication can be supported by the use of our RAELink3 portable wireless router.

Pioneered by RAE Systems, continued by Honeywell

AreaRAE Pro builds on the legacy expertise of Honeywell RAE Systems, which is the pioneer of transportable, multi-threat area monitors for civil defense, hazmat and first response teams. AreaRAE Pro now carries the Honeywell name — a reminder that your monitor comes from the global leader in safety technology and protective equipment.

Hailing from the thousands of AreaRAE monitors in use by municipal, state and federal teams — for applications from presidential inaugurations to world sports events — AreaRAE Pro features proven, reliable monitoring technology that you can trust.

Multiple sensors in a single versatile device

With AreaRAE Pro, you don't have to choose one sensor at the expense of another. Instead, the monitor gives you the flexibility to detect multiple threats for better situational awareness. You get:

Seven sensors for toxic and combustible gas

Choose seven sensors based on your needs, and switch them out whenever your needs change. Whether you're monitoring for a Radiological attack at a public venue or entering a clandestine drug lab, you can select from more than 20 sensors for toxic gases, oxygen and multiple combustible gases at the lower explosive limit (LEL). Need to monitor for a gas that's not in your standard configuration? With 7 sensor slots available, you have the versatility you need.

Our RDK comes with the SensorRAE 4R+ that keeps up to six sensors warmed up, stored on a bias if necessary, and ready for deployment.

Do you have **MultiRAE** personal gas monitors?

AreaRAE Pro and MultiRAE use the same family of interchangeable 4R+ gas sensors.

That means just 1 sensor inventory for both transportable area monitoring and personal monitoring — with the flexibility to switch sensors in and out as your needs change.

AreaRAE Pro and MultiRAE also share the same real-time monitoring software.

So you can track the readings and location of your wireless area monitors and personal monitors — all from the same interface — for a more comprehensive view of threats.

And they have the same user interface.

So you can count on the same easy experience with your area monitors and personal monitors — plus minimized training time.

MultiRAE

Don't know what you're walking into? *Go from uncertainty to reassurance with the AreaRAE Pro, detecting more threats from a single device.*

A PID sensor for parts-per-billion monitoring

In addition to your choice of 7 gas sensors, AreaRAE Pro includes a photoionization detector (PID) for monitoring VOCs at parts per billion. With built-in compensation for temperature and humidity, this new PID sensor responds to chemicals quickly and accurately.

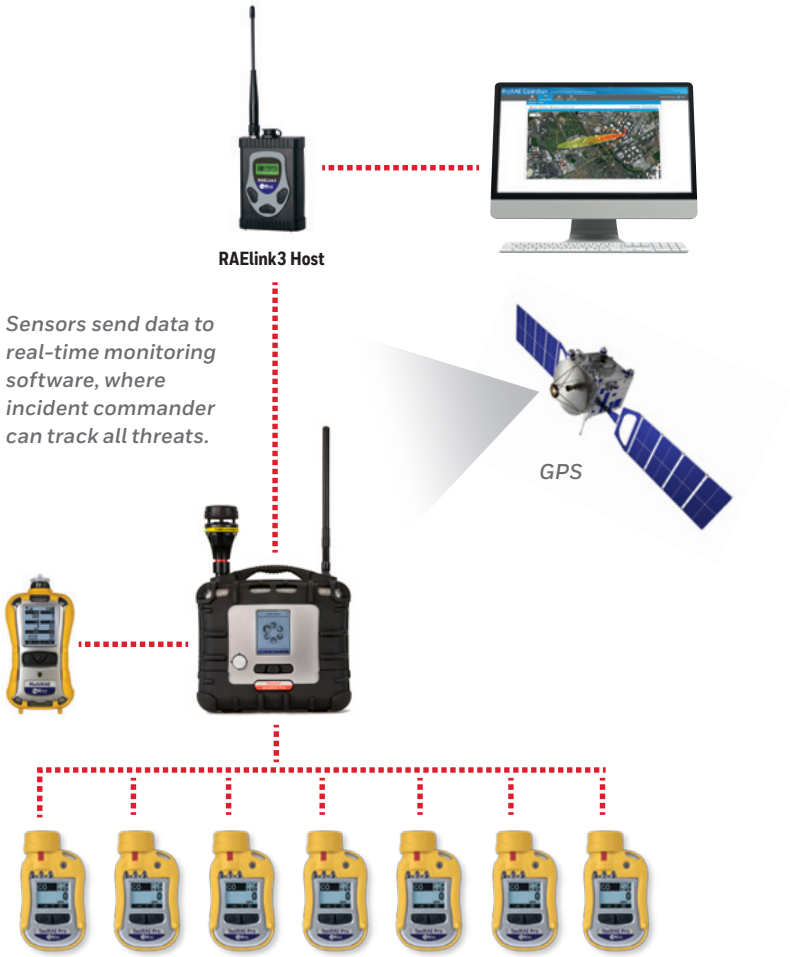
A meteorological sensor for tracking toxic plumes

Need to predict the spread of a toxic gas? Determine the direction and dispersion so you can protect nearby populations?

No need for a cumbersome, expensive portable weather station. Instead, use the RAEMet sensor located on top of the AreaRAE Pro, to measure:

- **Wind speed**
- **Wind direction**
- **Temperature**
- **Relative humidity**

With high sensitivity and a built-in electronic compass, the RAEMet sensor measures the data you need to determine where to evacuate, what roads to close and how to prioritize actions.



An optional gamma sensor for radiation detection

Need to monitor for dirty bombs as part of a terrorism threat? Protect your first responders from radiation exposure? AreaRAE Pro features an optional gamma sensor that delivers improved sensitivity, a quicker response time and high resistance to electromagnetic interference. And when you add the gamma sensor, you don't need to trade off on any of the other sensors in your AreaRAE Pro.

The gamma sensor has its own dedicated slot, so you can continue to monitor other threats simultaneously.

Modeling made easy with ALOHA®.

Real-time Toxic plume dispersion can be modeled using data from the RAEMet sensor. Honeywell real-time monitoring software interfaces with ALOHA®, the Hazard Modeling program jointly developed by the US EPA and the NOAA.

Now you can use ALOHA® to model a gas cloud, fire or explosion — and then plot a threat zone — all from the same easy interface that you use to monitor other readings from your ***AreaRAE Pro****.*

Easy to use and deploy

for fast threat assessment

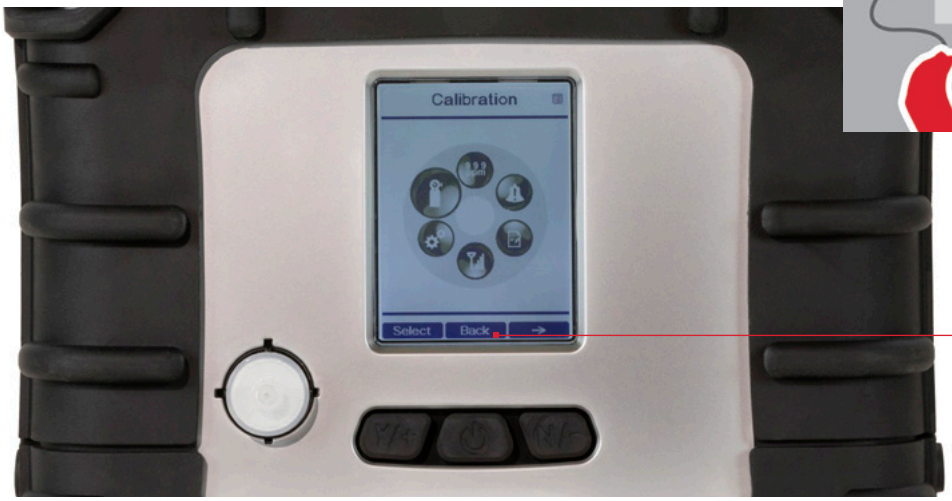
Want to quickly establish a safety zone after a chemical spill? Protect a temporary military camp from chemical warfare agents? Use our Rapid Deployment Kit to get up and running with wireless area monitoring in less than five minutes — for a mobile command center and instant situational awareness.

Each kit includes:

- **4 AreaRAE Pro monitors**
- **Spare rechargeable batteries**
- **Charging station**
- **Calibration kit**
- **Other necessary accessories for operation in complete autonomy**
- **Optional turnkey laptop with software for remote monitoring from up to two miles away — or via the internet from any location**

Wireless flexibility for remote monitoring

In addition to supporting long-distance remote monitoring, AreaRAE Pro comes with a built-in mesh modem for short-range monitoring — no external router required. And if you're using other portable detectors from Honeywell RAE Systems, you can use the AreaRAE Pro as a host for transmitting the data of up to 8 devices to a remote computer. That means less equipment, more cost effective, and lighter and easier to deploy,



AreaRAE Pro is engineered for ease and flexibility, so you can count on:

A USER-FRIENDLY INTERFACE

Despite its sophisticated capabilities, AreaRAE Pro is easy to operate — no Ph.D. required — and is available in multiple languages. Just turn it on and go. It also has big buttons that are easy to use with hazmat gloves.

A MONITOR THAT'S EASY TO HEAR AND SEE

AreaRAE Pro has a 108-decibel alarm for local annunciation, so when it goes off, you'll hear it — even in noisy environments. It also has wraparound LEDs for maximum visibility, even in sunlight. Plus 3 relays for connection to external strobes, horns or other triggers.

FLEXIBLE POWER FOR SHORT- AND LONG-TERM DEPLOYMENTS

AreaRAE Pro's rechargeable lithium-ion battery delivers 20 hours of runtime, and you can use the real-time monitoring software to keep an eye on the battery life of each detector. Battery running low? Simply switch it out or, as another option, replace it with a rechargeable battery. For around-the-clock deployments, use the AreaRAE Pro with A/C power or with our SolarRAE, an all-weather, solar-powered enclosure with hazmat gloves.

PC-BASED SOFTWARE FOR EASY CONFIGURATION

Want to change the alarm settings? To configure the monitor, simply connect it via USB cable to a laptop running our configuration software — no special cable required.

Coming soon:

Configure the monitor with a smartphone.

Honeywell is adding Bluetooth Low Energy (BLE) technology to multiple products, so you'll soon be able to configure the AreaRAE Pro using a smartphone app. It's another way Honeywell is changing your experience with gas detection.

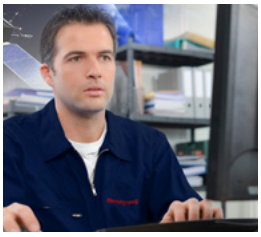
Part of ConneXt Safety Solutions

ConneXt Safety Solutions come in several varieties, enabling you to remotely monitor safety, productivity and compliance – from a lone worker to an entire plant.

ConneXt Loneworker
Remote workers are only a click away

ConneXt Pack
Turnkey kit for small teams

ConneXt Plus
Configured system for projects up to several days



ConneXt Pro
Enterprise solution for 24/7 monitoring

ConneXt Safety Solutions are part of IIoT by Honeywell
Connecting your people, processes and assets to transform operations

Honeywell Gas Detection

Honeywell is able to provide gas detection solutions to meet the requirements of all applications and industries. Contact us in the following ways:

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