

PROTÉGÉ



SCOTT Protégé Multi-Gas Monitor

The Protégé is a personal multi-gas monitor designed to monitor potentially hazardous levels of combustible gases, oxygen enrichment or depletion, carbon monoxide, and hydrogen sulfide. Simple, intuitive user operation enables operators to focus on the situation rather than equipment.

The Protégé is designed with automated maintenance features to reduce cost and time associated with training and maintenance.

Protégé software allows users to set

parameters that are specific for their workplace, and has significant data logging capabilities.

- Easy to use with one button turn on, easy calibration and functional self-testing
- Tough, robust construction meets all global regulatory requirements
- Easy to maintain with automatic zero and span calibrations and simple sensor replacement
- Enhanced user ergonomics with unique hourglass design to fit all hand sizes

PROTÉGÉ MASTERDOCK



SCOTT Protégé Masterdock

This addition to the Scott Safety line of gas detection products makes calibration and maintenance of the Protégé multi-gas monitor even simpler. The Protégé Masterdock high-speed, low-operating-cost bump test and calibration station helps improve efficiency by lowering the amount of gas used for each bump test. Because it's automated, it saves time and reduces the risk of human error involved with manual bump tests and

calibrations. Plus, it stores data in a text file that can be opened by any spreadsheet software or text editor, making it easier than ever for you to keep track of testing.

- Fully automated bump and calibration
- One button operation
- 30-second bump test
- 2-minute calibration
- Portable with optional battery operation

PROTÉGÉ ZM



SCOTT Protégé ZM Single Gas Monitor

The Scott Protégé ZM Single Gas Monitor is an easy-to-use, zero-maintenance gas detection solution that delivers high performance in a small package. The product is available in oxygen, carbon monoxide and hydrogen sulfide models. Once activated, the Protégé ZM monitor does not require charging or calibration and will operate for two years, maintenance and hassle free.

- Zero maintenance single gas solution
- Available in hydrogen sulfide, carbon monoxide and oxygen configurations
- Two year operating life, no charging or calibration required

- Hydrogen sulfide and carbon monoxide models include hibernate feature to extend battery life
- Three point alarm system including audible, visual and tactile alarms
- Customizable LCD display can show operating life remaining, real time gas readings or both
- User configurable alarm setpoints, bump, and calibration reminders
- Datalogging capabilities
- IP 66/67 rated enclosure (3rd party certified)
- Supported by portfolio of accessories including a 4-bay test station and IR Connect programmer



RAE SYSTEMS QRAE II

Is a full-featured, compact, one- to four-sensor gas detector for detection of combustibles, oxygen, hydrogen sulfide, and carbon monoxide. The QRAE II includes storage capacity for 64,000 datalogging points, which can be downloaded to any PC.

Key Features

- Patented SPE O₂TM Oxygen sensor unique features:
 - Extended life compared to lead-type electrochemical oxygen sensors resulting in low cost of ownership
 - Leak-free design, minimizing downtime

QRAE II

- Easy access to sensors, filter and battery compartment without exposing electronic components to potential damage
- Alkaline adapter and rechargeable Lithium-ion battery pack provide up to 14 hours of continuous operation
- Rugged housing withstands harsh environments:
 - IP-65 Water- and dust-resistant case
 - Strong, protective concussion-proof design



RAE SYSTEMS QRAE Plus

Is a full-featured, compact, one-to-four sensor confined space gas detector. Its features include easy-to-change, externally accessed battery packs (available in both alkaline and rechargeable versions). The QRAE Plus includes 16,000 datalogging points of storage capacity for download to PC.

Key Features

- One-to-four plug-in “smart” sensors: Combustible, Oxygen, Hydrogen Sulfide, Carbon Monoxide
- Optional substance-specific toxic sensors: Sulfur Dioxide, Nitric Oxide, Nitrogen Dioxide, Chlorine, Hydrogen Cyanide, Ammonia, Phosphine

QRAE PLUS

- Rechargeable Lithium-ion battery pack provides up to 20 hours (more than 2 work shifts) of continuous operation
- Rugged housing withstands use in harsh environments with a water and dust resistant case and strong protective rubber boot
- Strong, built-in sample draw pump with optional collapsible sample-probe
- One-button calibration with auto-zero capability

MULTIRAE



RAE SYSTEMS MultiRAE Plus

The MultiRAE is the most advanced wireless portable chemical detector on the market. In addition to its cutting-edge PID sensor for volatile organic compounds (VOCs), the MultiRAE supports over 30 electrochemical, NDIR, and catalytic sensors to detect up to five additional threats, including toxic and combustible gases, oxygen deficiency/enrichment, and carbon dioxide.

The MultiRAE's wireless capability elevates worker protection to the next level by providing safety officers real-time access to instrument readings and alarm status from any location for better visibility and faster incident response.

Key Features

- Wireless access to real-time instrument readings and alarm status from any location
- Unmistakable five-way local and remote wireless notification of alarm conditions
- Over 30 interchangeable sensor options, including 0.1 to 5,000 ppm PID
- Intelligent sensors store calibration data, so they can be swapped in the field
- Extensive on-board gas libraries (190 VOCs and 55 combustible gases)
- Largest display in its class
- Continuous datalogging (6 months for 5 sensors, 24x7)

MULTIRAE IR



RAE SYSTEMS MultiRAE IR

Combines a PID (Photoionization Detector) and Carbon Dioxide (CO₂) sensor with O₂, LEL, and one specific toxic gas sensor in one compact monitor with sampling pump. The MultiRAE can be used as a personal monitor, a hand-held sniffer or as a continuous, operational area monitor for use in applications including indoor air quality, industrial hygiene.

Key Features

- O₂, LEL, PID, CO₂, and any plug-in "smart" toxic sensors: CO, H₂S, SO₂, NO, NO₂, Cl₂, HCN, NH₃, PH₃
- 0-20,000 ppm measurement of CO₂ using our patented non-dispersive infrared (NDIR) sensor
- 0-2,000 ppm measurement of VOCs (volatile organic compounds) with 0.1 ppm resolution

- Measure more chemicals than with any other PID: With over 60 Correction Factors built into the MultiRAE IR memory.
- Drop-in Lithium Ion Battery & AA Adapter
- Rugged Rubber Boot
- Strong, built-in sample pump draws up to 100' (30m) horizontally or vertically.
- Large keys are operable even with 3 layers of gloves
- Easy-to-read display with backlight
- Store up to 80 hours of data at one minute interval for all 5 sensors for download to PC (with the optional datalogging).
- Loud audible alarm with an optional external vibration alarm for noisy areas



RAE SYSTEMS ppbRAE 3000

Is the most advanced handheld volatile organic compound (VOC) on the market. Its Photoionization Detector's (PID) extended range of 1 ppb to 10,000 ppm makes it an ideal instrument for applications from HazMat/Home-land Security, industrial hygiene, to Indoor Air Quality and military applications.

The RF modem allows real-time data transmissions with a base controller located up to 500 feet (or two-miles with optional RAElink2 portable modem) away from the ppbRAE 3000 detector. A personal computer can be used as the base station for a ppbRAE 3000 system. The standard ProRAE Remote software is capable of monitoring the input of up to 64 remotely located monitors like ppbRAE 3000, or AreaRAE, etc.

Key Features

- The patented sensor provides the following unique features:
 - a 3-second response time
 - extended range up to 10,000 ppm

PPBRAE 3000

- with improved linearity
- humidity compensation with inbuilt humidity and Temperature sensors
- Real-time wireless data transmission with built-in RF modem or Bluetooth.
- Design for service Easy access to lamp and sensor in seconds without tools.
- Big Graphic display for easy overview of gas type, Correction Factor and concentration.
- Field interchangeable battery pack in second's without tools.
- Integrated Flash Light for better view in dark conditions
- Inbuilt full RAE Systems 350 compounds correction factors list measure more chemicals than any other PID
- Rugged housing withstands use in harsh environments
 - IP67 Waterproof design for easy cleaning and decontamination in water



RAE SYSTEMS MiniRAE 3000

Is the most advanced handheld volatile organic compound (VOC) on the market. Its Photoionization Detector's (PID) extended range of 0 to 15,000 ppm makes it an ideal instrument for applications from industrial hygiene, to leak and hazmat detection..

The RF modem allows real-time data transmissions with a base controller located up to 500 feet (or two-miles with optional RAElink2 portable modem) away from the MiniRAE 3000 detector. A personal computer can be used as the base station for a MiniRAE 3000 system. The standard ProRAE Remote software is capable of monitoring the input of up to 64 remotely located monitors like MiniRAE 3000, or AreaRAE, etc.

Key Features

- The patented sensor provides the following unique features:
 - a 3-second response time

MINIRAE 3000

- extended range up to 15,000 ppm with improved linearity
- humidity compensation with inbuilt humidity and Temperature sensors
- Real-time wireless data transmission with built-in RF modem or Bluetooth.
- Design for service Easy access to lamp and sensor in seconds without tools.
- Big Graphic display for easy overview of gas type, Correction Factor and concentration.
- Field interchangeable battery pack in second's without tools.
- Integrated Flash Light for better view in dark conditions
- Inbuilt full RAE Systems 350 compounds correction factors list measure more chemicals than any other PID
- Rugged housing withstands use in harsh environments
 - IP67 Waterproof design for easy cleaning and decontamination in water

VRAE



RAE SYSTEMS VRAE

Is a hand held one-to-five gas monitor with built-in sampling pump and optional data logging. Sensors include new RAE dual range 0-100% Volume and 0-100% LEL, oxygen, and three or four smart, interchangeable toxic sensors may be added.

Key Features

- Large keys are usable even with 3 layers of gloves

- 16,000 data points download to PC
- Snap-in, field replaceable rechargeable battery with up to 10 hours of continuous operation
- 48 built-in correction factors for LEL sensors
- Rubber protective boot

TOXIRAE III



RAE SYSTEMS ToxiRAE 3

Is a full-featured single-gas monitor that offers unequalled cost of ownership value. The ToxiRAE 3 is compatible with the AutoRAE Lite bump and calibration station. STEL, TWA, low, and high alarms can also be recorded. The detector is warranted for 2 years and maintenance free with replaceable battery.

Key Features:

- High-performance 3-electrode pinless micro sensor with the fastest response time
- 0.1 ppm H₂S resolution, and high-range 1999 ppm CO available

- Large, easy-to-read display facilitates overview of gas concentration or days remaining (end-user adjustable)
- Event logging of up to 10 events
- Intuitive, simple-to-operate user interface
- IP-67 water-proof and dust resistant
- Loud, 95 dB audible alarm, bright red flashing visible LEDs and internal vibration alarm
- User-configurable bump/calibration reminders

TOXIRAE PRO



RAE SYSTEMS ToxiRAE Pro

The world's first wireless personal monitor for toxic gases and oxygen. The ToxiRAE Pro takes worker protection to the next level by providing safety professionals wireless access to real-time instrument readings and alarm status from any location for better visibility and faster response. The ToxiRAE Pro can detect a broad range of gases—from carbon monoxide, hydrogen sulfide, and oxygen to ammonia, chlorine, and phosgene. The ToxiRAE Pro's intelligent interchangeable sensors store calibration data, so if you need to monitor one gas one day and another gas

the next, swapping the sensors in your ToxiRAE Pro is all it takes.

Key Features:

- Wireless access to real-time instrument readings and alarm status from any location
- Unmistakable five-way local and remote wireless notification of alarm conditions
- Intelligent sensors store calibration data, so they can be swapped in the field
- Largest display in its class
- Reliable, rugged, and intrinsically safe
- Continuous datalogging
- Easy to use



RAE SYSTEMS ToxiRAE II

The ToxiRAE II personal gas detector provides 2 years of low-cost, continuous, and maintenance-free protection from exposure to Hydrogen Sulfide or Carbon Monoxide. The zero-maintenance ToxiRAE II does not require calibration, but prudent safety procedure dictates periodic challenges with CO or H₂S gas. Only the ToxiRAE II provides a bump alert warning with a “Test” message on the display to remind users to “bump” the detector with gas to verify the performance of the sensor

TOXIRAE II

and electronics. This procedure is quick and easy and resets the “Test” message.

Key Features

- 2 years of continuous protection
- Once activated ToxiRAE II is always on and monitoring
- No Maintenance (no battery replacement, sensor replacement, calibration)
- Small enough to be clipped onto a hard-hat, shirt pocket, shoulder-strap, or belt
- Standard built-in vibration alarm



RAE SYSTEMS AreaRAE

Is a one-to-five sensor gas detector equipped with a wireless, RF (radio frequency) modem which allows the unit to communicate and transmit readings and other information on a real-time basis with a base controller located up to two miles away. The standard ProRAE Remote software used to control AreaRAE systems is capable of monitoring the input of up to 32 remotely-located monitors. In stand alone operation, the AreaRAE is a rugged, weatherproof, one-to-five sensor portable monitor that can run over 24-hours on either rechargeable Lithium-ion or alkaline

batteries. It is also the first “lunchbox” type multisensor instrument able to include a photoionization detector (PID) for parts-per-million measurement of volatile organic compounds (VOCs), as well as LEL, O₂, and up to two electrochemical toxic sensors for measurement of specific toxic substances such as CO and H₂S.

AreaRAE is also available with a global positioning satellite (GPS) option which includes the ability to track and display readings from up to 32 remotely located detectors on a GPS map.

AREARAE



ARJAY ENGINEERING Gas Alert Series

Economical fan control in parking garages, loading and maintenance bays, and arenas. The panel can monitor up to 20 sensors for a common relay interlock to control and ventilation equipment. This is an economical approach to gas monitoring where single zone relay control is acceptable.

GAS ALERT



**ARJAY ENGINEERING
PG-2000 Series**

ENM-PG-2000

For fan control in parking garages, loading and maintenance bays, and arenas. The panel can monitor up to 80 sensors and separate the sensors into zones for area fan control and alarms. Analog and RS-485 outputs are available for automation system and VFD interlock. An LCD display provides an indication of alarms and concentration levels.



**ARJAY ENGINEERING
IG-2000 Series**

ENM-IG-2000

Our industrial grade monitor with both digital and analog inputs for any of our gas transmitters including Hazardous Location sensors. Ideal for petrochemical, manufacturing, wetwells, and wastewater treatment facilities. Simultaneous display of sensor inputs plus multiple relay and analog outputs for alarms.



**ARJAY ENGINEERING
IR-2000 Series**

ENM-IR-2000

Refrigerant gas monitoring for chiller rooms and industrial facilities. Multiple sensor inputs into one controller make a cost effective installation with a high quality infrared gas sensing technology. Multiple outputs for fan and chiller interlock and remote audio/visual alarm panels.



**ARJAY ENGINEERING
Sensor Transmitters**

Are available to provide a 4-20 mA analog output directly to your own automation or control system or any of our 2000 series panels.

EC-Gold Series for toxic gases in light duty and HVAC applications

HLM-1000-TX for toxic gases in heavy industrial and Hazardous Locations

HLM-1000-EX for combustible gases in heavy industrial and Hazardous Locations

EN310 for CO₂ monitoring in industrial and commercial applications

INTRODUCING THE AIR-PAK X3

GET READY.



NEW SCBA STANDARDS ARE COMING. SCOTT SAFETY IS READY.

2013 NFPA standards will be here this summer. Scott Safety is ready with the new Air-Pak X3. You've challenged us to deliver clear fireground communications, increased levels of protection and a more streamlined Air-Pak. And with the Air-Pak X3, AV-3000 HT facepiece and EPIC 3 Voice Amplifier, we've once again delivered, with real breakthroughs in comfort, durability and communications.

TO LEARN MORE, VISIT SCOTT2013FIREFIGHTER.COM

