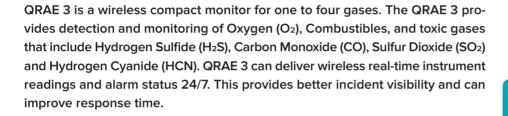


QRAE3

Wireless 4-Gas Monitor



- Man Down Alarm with real-time remote wireless notification¹
- · Easy maintenance with fieldreplaceable sensors and pump
- Fully automated bump testing and calibration with AutoRAE 2
- · Pumped or diffusion models available
- Large graphic display can rotate 180°

APPLICATIONS

- Confined space entry and general safety and compliance in:
- Industrial safety
- Oil and gas
- Fireground "Toxic Twins" detection
- Environmental
- Fire and Emergency response

RANGE OF GASES DETECTED

Gas Monitor	Range	Resolution	
Oxygen	0 to 30%	0.1	
Combustible	0 to 100 % LEL	1% LEL	
Carbon Monoxide	0 to 500 ppm	1 ppm	
Hydrogen Sulphide	0 to 100 ppm	0.1 ppm	
Sulphur Dioxide	0 to 20 ppm	0.1 ppm	
Hydrogen Cyanide	0 to 50 ppm	0.5 ppm	



KEY FEATURES

- Available in Diffusion or **Pumped version**
- IP-65/67 water- and dust-resistant case
- Strong, protective, concussion-proof design
- Real-time gas concentration readings and alarm status enabled by state-of-the-art wireless technology
- Unmistakable five-way local and remote wireless notification of alarm conditions
- · Large graphical display icon-driven user interface through intuitive, simple-to-operate two-button user interface.
- Multi-language support: 17 languages encoded
- Easy access to pump, sensors, filter and battery compartment

¹ Additional equipment and/or software licenses may be required to enable remote wireless monitoring and alarm transmission.

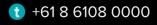
² Against factory defects.

³ Receiving >80%

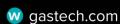
QRAE3

SPECIFICATIO	Specifications subject to change without notice		
Size	Diffusion: 5.5" H x 3.2" W x 1.5" W (140 mm x 82 mm x 42 mm) Pumped: 5.7" H x 3.2" W x 1.7" D (145 mm x 82 mm x 42 mm)	Datalogging	 Continuous datalogging (3 months for 4 sensors at 1-minute intervals, 24/7) User-configurable datalogging intervals (from 1 to 3,600 seconds)
Weight	Diffusion: 12.9 oz (365 g with Li-ion battery and clip) Pumped: 14.5 oz (410 g with Li-ion battery, clip, and external filter)	Communication & Data Download	 Data download and instrument set-up and upgrades on PC via Travel Charger Wireless data and status transmission via built-in RF modem (optional)
Sensors	Up to four field-replaceable sensors: LEL: Catalytic bead for combustibles (built-in	Wireless Net- work	Mesh RAE Systems Dedicated Wireless Network
	Correction Factor library) Oxygen: Liquid electrolyte O ₂ Toxic: electrochemical for H ₂ S, CO, SO ₂ , HCN	Wireless Frequency	ISM license-free bands, 868MHz or 900MHz
Battery	Rechargeable Li-ion	Wireless Range	EchoView Host: LOS > 650 ft (200 m) ³ , ProRAE Guardian & RAEMesh Reader: LOS > 650 ft (200 m) ³ , ProRAE Guardian & RAELink3 Mesh: LOS > 30 ft (10 m) ³
• N Ic	14 hours continuous non-wireless, diffusion11 hours continuous non- wireless, pumped	(Typical)	
	 10 hours continuous with wireless, diffusion 8 hours continuous with wireless, pumped Note: All battery specifications at 68° F (20° C); lower temperatures and alarm conditions will affect runtime. Monochrome graphic display (128 x 80), Dis- 	EM Immunity	EMI and ESD test: 100MHz to 1GHz 30V/m, no alarm, Contact: ±4kV, Air: ±8kV, no alarm
		IP Rating	Pumped: IP-65, Diffusion: IP-67
		Calibration	Two-point calibration for zero and span (manual, or automatic with AutoRAE 2)
Graphic	play size: 1.57" W x 1.06" H (40 x 27 mm) with backlighting, Automatic or on-demand screen rotation	Sampling Pump	Built-in pump or diffusion, Can sample through tubing up to 98ft (30m)
Keypad Pandout	Two-button operation	Hazardous Area Approval	US and Canada: classified for use in Class I, Division 1, Groups A, B, C and D, Europe: IECEx/ ATEX (II 1G Ex ia IIC T4)
Direct Readout	 Real-time reading of gas concentrations Battery status Pump status (if equipped with pump) Wireless on/off and wireless reception quality STEL, TWA, peak, and minimum values Man Down and policy enforcement indicators 	Temperature	-4° to 122° F (-20° to 50° C) for T4 temperature code
		Humidity	0% to 95% relative humidity (non-condensing)
		Attachments	Stainless-steel alligator clip, Swivel belt clip (optional), Pouch (optional)
	 Multi-tone 95dB buzzer (at 11.8"/ 30 cm, typical), vibration alarm, and flashing red LEDs and on-screen indication of alarm conditions Pump stall alarm (pumped version only) Alarms: latching, non latching or manual 	Languages	Arabic, Chinese, Czech, Dutch, English, French, German, Indonesian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Span- ish, and Swedish (language must be changed through ProRAE Studio II)
	 override Additional diagnostic alarm and display message for low battery Man Down Alarm with pre-alarm and re- 	Warranty	2-year warranty on device ² 3-year warranty on LEL, O ₂ , CO, H ₂ S sensors ² 1-year warranty on SO ₂ , HCN sensors ²
	al-time remote wireless notification		









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