

Multi-Gas Monitors

QRAE II One-to-Four-Gas Detector (PGM-2400 Series)

The QRAE II is a durable and versatile diffusion or pumped one-to-four gas monitor for detection of combustibles, oxygen, hydrogen sulfide, or carbon monoxide. Standard features include easy-to-change battery packs, easy access to sensors, internal vibrating alarm, loud 95dB audible alarm, and a water-resistant IP-65 case design. The rechargeable Lithium-ion battery delivers up to 14 hours of continuous operation in diffusion mode (a spare alkaline battery adapter is included for 10 hour back-up operation).

RAE Systems' patented, CO2 tolerant SPE O2 sensor delivers a longer life span, boasting an RoHS compliant lead-free and leak-free design. The QRAE II sports the capability to record data that can be downloaded to a PC. The AutoRAE II for QRAE II Automated Test and Calibration Station makes bump testing and calibration as easy as a press of a button.

Monitor-only configuration includes:

- Monitor as specified
- Sensors as specified
- Alkaline adapter (back-up operation)
- Internal filters (diffusion model only)
- Rechargeable Li-ion units include:
 - Charging/download cradle with computer cable
 - Lithium-ion battery pack
 - Universal wall adapter
- **Alkaline versions do not include a charging/download cradle**
- CD ROM with user manual and ProRAE Studio
- Quick start guide
- External filter (pumped model only)
- Calibration adapter (diffusion model only)

Bulk package of 10 includes:

- 10 monitors as specified with calibration certificate
- 10 calibration caps and 2 Allen wrench service tools
- 2 Quick Start guide and 2 CD's
- **CHARGING CRADLES ARE NOT INCLUDED** (multi-unit charger(s) need(s) to be ordered separately)

QRAE II (PGM-2400) Standard Configurations (Single-Packs)

DESCRIPTION	PART NUMBER	LIST PRICE
QRAE II Diffusion LEL CSA-UL / O ₂ / H ₂ S 100 ppm / CO / Li-Ion + Confined Space Kit 2 (CSK 2)	020-1111-0A2	\$1,095
QRAE II Diffusion LEL CSA-UL / O ₂ / H ₂ S 100 ppm / CO - Alkaline only	020-1111-1A0	\$563
QRAE II Diffusion LEL CSA-UL / O ₂ / H ₂ S 100 ppm / CO - Li-Ion rechargeable	020-1111-0A0	\$615
QRAE II Pumped LEL CSA-UL / O ₂ / H ₂ S 100 ppm / CO / Li-Ion + Confined Space Kit 2 (CSK 2)	020-1111-2A2	\$1,195
QRAE II Pumped LEL CSA-UL / O ₂ / H ₂ S 100 ppm / CO - Li-Ion rechargeable	020-1111-2A0	\$718

QRAE II (PGM-2400) Bulk Package (Packs of 10)

DESCRIPTION	PART NUMBER	LIST PRICE
10-units package QRAE II diffusion LEL CSA-UL/ O ₂ / H ₂ S 100 ppm / CO - Alkaline	020-1111-1AA	\$4,630
10-units package QRAE II diffusion LEL CSA-UL/ O ₂ / H ₂ S 100 ppm / CO - Li-Ion	020-1111-0AA	\$5,145
10-units package QRAE II pumped LEL CSA-UL/ O ₂ / H ₂ S 100 ppm / CO - Li-Ion	020-1111-2AA	\$6,587
Multi-unit charger (5 QRAE II cradles)	020-3461-005	\$407



Optional Confined Space Kit 1 (CSK 1, P/N 020-0040-010, \$212) adds:

- Hard transport case with pre-cut foam
- Tool Kit
- Hand pump
- 10" stiff aluminum Sample probe with replaceable filter
- 6 feet (2 meters) Tygon[®] tubing
- External filter (pack of 3)

Optional Confined Space Kit 2 (CSK 2, P/N 020-0040-020, \$634) adds:

- Four-gas mix in a 34L cylinder, part number 600-0050-007 (50% LEL, 18% O₂, 10 ppm Hydrogen Sulfide, 50 ppm Carbon Monoxide)
- Regulator and tubing
- Calibration gas cylinder

Note: Both the QRAE II diffusion and pumped models are compatible with the AutoRAE Lite for QRAE II Automatic Test and Calibration Station.

QRAE II Configurator

A Interchangeable TOX 1 Sensor				
0	Empty Dummy sensor	+	\$	0
1	H ₂ S Hydrogen Sulfide 100 ppm	+	\$	57
B Interchangeable TOX 2 Sensor				
0	Empty Dummy sensor	+	\$	0
1	CO Carbon Monoxide	+	\$	57
C Interchangeable Combustible Sensor				
0	Empty Dummy sensor	+	\$	0
1	LEL CSA/UL	+	\$	57
D Oxygen Sensor (SPE)				
0	Empty Dummy sensor	+	\$	0
1	O ₂ SPE Oxygen	+	\$	57
E Pumps, Batteries, Chargers, Certification				
0	Diffusion, rechargeable Li-Ion battery, universal wall adapter	+	\$	387
1	Diffusion, alkaline batteries (must be configured with 2 sensors min.; desktop cradle not included)	+	\$	335
2	Pump, rechargeable Li-Ion battery, universal wall adapter	+	\$	490
F Languages				
A	English	+	\$	0

020 - **A** **B** **C** **D** - **E** **F** **0**

Total

QRAE II ATO Configuration Guide

From the table above, select one option from each Feature Group, **A** through **E**, to build a complete model number:



AutoRAE Lite for QRAE II Automated Bump Test and Calibration Station

DESCRIPTION	PART NUMBER	PRICE
AutoRAE Lite for QRAE II Bump Test and Calibration Station	T01-0001-000	\$1,334
Calibration 4-Gas Mix (50% CH ₄ , 18% O ₂ , 10 ppm H ₂ S, 50 ppm CO, N ₂ balance), 34 liters	600-0050-007	\$245

QRAE II Accessories, Sensors, and Replacement Parts

DESCRIPTION	PART NUMBER	LIST PRICE
Carbon Monoxide sensor	032-0200-000	\$163
Combustible sensor, %LEL	014-0212-000	\$165
Hydrogen Sulfide sensor 0,1-100 ppm	032-0202-000	\$163
Oxygen SPE sensor	022-0300-000	\$109
Dummy sensor (4R; e.g. QRAE II SPE Oxygen sensor) (Pack of 5)	046-3012-005	\$28
Dummy sensor (3R; e.g. QRAE II LEL, H ₂ S, and CO sensors) (Pack of 5)	046-3013-005	\$28
Calibration / Flow through Adapter	020-3412-000	\$39
Charging/download Station for QRAE II (without charger & cable)	020-3461-000	\$212
Universal wall adapter, 110 VAC to 240 VAC, 12 VDC, with international plug kit	500-0036-100	\$39
Re-chargeable Lithium-ion battery	020-3402-000	\$168
Alkaline battery adapter	020-3403-000	\$25
Computer interface cable 9 pin male to female	029-3003-000	\$44
Cable adapter (USB to serial)	410-0210-000	\$108
CSK1 (does not include monitor)	020-0040-010	\$212
CSK2 (does not include monitor)	020-0040-020	\$634
4-gas calibration mix, 34 L aluminum cylinder (50% CH ₄ , 18% O ₂ , 10 ppm H ₂ S, 50 ppm CO, bal N ₂)	600-0050-007	\$245
Constant-Flow regulator, 1 L/min with tubing	007-3021-000	\$233
Dust Filter (pack of 5) for diffusion model	020-2419-005	\$28
Dust Filter (pack of 25) for pumped model	G01-2003-025	\$26
Water trap external filter (pack of 10) for pumped model	008-3022-010	\$25
Pump assembly	020-3603-000-FRU	\$201
Gas plate (pack of 2) for pumped version	020-3604-002-FRU	\$37
Gas plate (pack of 2) for diffusion version	020-3411-002-FRU	\$26
Protective leather case with strap for QRAE II	020-2476-000	\$47
CD, QRAE II	000-0020-000	\$28



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Pricing subject to change without notice

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