

Tubes and Pumps

RAE Colorimetric Tubes

Type	Part Number	Standard Range	Extended Range	List Price
		standard no. of strokes	varied no. of strokes	10 tubes/box
Acetone	10-111-40	0.1 – 2%	0.05 – 4%	\$32.00
Amines	10-132-10	0.5 – 10 ppmv	0.25 – 20 ppmv	\$32.00
Ammonia	10-100-05	1 – 30 ppmv	0.5 – 60 ppmv	\$32.00
	10-100-10	5 – 100 ppmv	2.5 – 200 ppmv	\$32.00
	10-100-12	10 – 260 ppmv	5 – 520 ppmv	\$32.00
	10-100-15	25 – 500 ppmv	12 – 1,000 ppmv	\$32.00
	10-100-40	1 – 15%	0.5 – 30%	\$32.00
Benzene	10-101-01*	0.5 – 10 ppmv selective	0.25 – 30 ppmv	\$32.00
	10-101-10*	5.0 – 40 ppmv selective	25 – 200 ppmv	\$32.00
	10-101-20	5 – 100 ppmv	2.5 – 200 ppmv	\$32.00
Butadiene	10-135-04	0.5 – 5 ppmv	0.25 – 10 ppmv	\$32.00
Butane	10-137-30	25 – 1,400 ppmv	12.5 – 2,800 ppmv	\$32.00
Carbon Dioxide	10-104-30	300 – 5,000 ppmv	150 – 10,000 ppmv	\$32.00
	10-104-40	0.05 – 1%	0.025 – 2%	\$32.00
	10-104-45	0.25 – 3%	0.12 – 6%	\$32.00
	10-104-50	1 – 20%	0.25 – 20%	\$32.00
	10-104-60	5 – 40%	1.25 – 40%	\$32.00
Carbon Monoxide	10-102-18	5 – 100 ppmv selective	2.5 – 200 ppmv	\$32.00
	10-102-20	5 – 100 ppmv	2.5 – 200 ppmv	\$32.00
	10-102-30	20- 500	10 – 1000 ppmv	\$32.00
	10-102-45	0.2 – 4%	0.05 – 4%	\$32.00
Chlorine	10-106-10	0.5 – 8 ppmv	0.25 – 16 ppmv	\$32.00
	10-106-20	5 – 100 ppmv	2.5 – 200 ppmv	\$32.00
Chlorine Dioxide	10-130-10	0.25 – 15 ppmv	0.05 – 30 ppmv	\$32.00
Diesel & Jet Fuel	10-143-10	0.5 – 25 ppmv	N/A	\$32.00
Ethanol	10-141-30	100 – 2000 ppmv	50 – 2000 ppmv	\$32.00
Formaldehyde	10-121-05	0.1 – 5 ppmv	0.1 – 40 ppmv	\$32.00
Gasoline	10-138-30	30 – 1000 ppmv	15 – 2000 ppmv	\$32.00
Hydrocarbons	10-110-30	50 – 1,000 ppmv	25 – 2,000 ppmv	\$32.00
Hydrogen Chloride	10-108-09	1 – 20 ppmv	0.5 – 40 ppmv	\$32.00
	10-108-10*	1 – 20 ppmv w/ desiccant	0.5 – 40 ppmv	\$32.00
	10-108-22	20 – 500 ppmv	10 – 1000 ppmv	\$32.00
Hydrogen Cyanide	10-126-10	2.5 – 60 ppmv	1.25 – 120 ppmv	\$32.00
Hydrogen Fluoride	10-105-10	0.5 – 20 ppmv	0.25 – 40 ppmv	\$32.00
Hydrogen Sulfide	10-103-04	0.2 – 3 ppmv	0.1 – 6 ppmv	\$32.00
	10-103-05*	0.2 – 3 ppmv w/ desiccant	0.1 – 6 ppmv	\$32.00
	10-103-06	1 – 7 ppmv	0.5 – 7 ppmv	\$32.00
	10-103-10	2.5 – 60 ppmv	1.25 – 120 ppmv	\$32.00
	10-103-15	10 – 120 ppmv	5 – 240 ppmv	\$32.00
	10-103-18	25 – 250 ppmv	12.5 – 500 ppmv	\$32.00
	10-103-20	50 – 800 ppmv	25 – 1,600 ppmv	\$32.00
	10-103-30	100 – 2,000 ppmv	50 – 4,000 ppmv	\$32.00
	10-103-40	0.1 – 2%	0.05 – 4%	\$32.00
	10-103-50	2 – 40%	0.5 – 40%	\$32.00

RAE Colorimetric Tubes (continued)

Type	Part Number	Standard Range	Extended Range	List Price
		standard no. of strokes	varied no. of strokes	10 tubes/box
MEK	10-113-20	0.02 – 0.6 %	0.01 – 1.8 %	\$32.00
Mercaptans	10-129-20	5 – 120 ppmv	2.5 – 240 ppmv	\$32.00
Methyl Bromide	10-131-10	1 – 18 ppmv	0.5 – 36 ppmv	\$32.00
Nitric Acid	10-146-20	1 – 20 ppm	0.5 – 40 ppm	\$32.00
Nitrogen Dioxide	10-117-10	0.5 – 30 ppmv	N/A	\$32.00
Nitrogen Oxides	10-109-20*	1 – 50 ppmv	0.5 – 100 ppmv	\$32.00
Ozone	10-133-03	0.05 – 0.6 ppmv	0.15 – 1.8 ppmv	\$32.00
Phenol	10-139-05	1 – 25 ppmv	0.5 – 180 ppmv	\$32.00
Phosphine	10-116-10	5 – 50 ppmv	2.5 – 100 ppmv	\$32.00
	10-116-20	25 – 500 ppmv	12.5 – 1,000 ppmv	\$32.00
	10-116-25	50 – 1,000 ppmv	25 – 2,000 ppmv	\$32.00
Sulfur Dioxide	10-107-15	2 – 30 ppmv	1 – 60 ppmv	\$32.00
	10-107-20	5 – 100 ppmv	2.5 – 200 ppmv	\$32.00
	10-107-25	100 – 1,800 ppmv	50 – 3,600 ppmv	\$32.00
	10-107-30	200 – 4,000 ppmv	50 – 4,000 ppmv	\$32.00
	10-107-40	0.2 – 5 %	0.1 – 10 %	\$32.00
Toluene	10-114-20	10 – 300 ppmv	5 – 600 ppmv	\$32.00
Trichloroethylene	10-119-20*	5 – 100 ppmv	2.5 – 230 ppmv	\$32.00
Vinyl Chloride	10-128-10*	1 – 20 ppmv	0.5 – 40 ppmv	\$32.00
Water Vapor	10-120-10	2-10 lbs/MMCF (0.03-0.16 mg/L)	1 – 20 lbs/MMCF	\$32.00
	10-120-20	6-40 lbs/MMCF (0.1-0.64 mg/L)	3 – 80 lbs/MMCF	\$32.00
	10-120-30	0.05 – 1 mg/L	0.025 – 2 mg/L	\$32.00
	10-120-40	1 – 18 mg/L	0.5 – 32 mg/L	\$32.00
Xylene	10-112-20	10 – 200 ppmv	5 – 400 ppmv	\$32.00

*Asterisk indicates boxes containing 5 colorimetric tubes and 5 pre-tubes, for a total of 5 measurements. Standard boxes w/o asterisk have 10 tubes.

RAE Specialty Tubes

Type	Part No.	Description	Price
RAE-Sep™ VOC	012-2502-005 *	VOC Tubes for UltraRAE Monitor (10 tubes/box)	\$32.00
RAE-Sep™ Benzene	012-3022-010	Benzene Separation Tubes for UltraRAE Series Monitor (10 tubes/box)	\$68.00
RAE-Sep™ Butadiene	012-3024-010	Butadiene Separation Tubes for UltraRAE Series Monitor (10 tubes/box)	\$68.00
RAE-Sep™ Halocarbon	012-3023-010	Halocarbon Separation Tubes for UltraRAE Series Monitor (10 tubes/box)	\$68.00
VOC Zeroing (Single Use)	025-2000-010	Disposable, Single-Use VOC Zeroing Tubes for PID (10 tubes/box)	\$32.00
Humidity Filtering II	025-2002-010	Removes humidity during most PID measurements (10 tubes/box)	\$32.00
VOC/CO ₂ Zeroing	025-2003-010	VOC/CO ₂ Zeroing Tubes for IAQRAE and MultiRAE IR Monitors (10 tubes/box)	\$32.00
Smoke Generation	10-123-01*	Smoke Tubes (Stannic Chloride Irritant, 6 tubes/box)	\$32.00
	010-0004-000	Smoke Kit (aspirator bulb, tip breaker, box smoke tubes, leather case)	\$53.00

*Asterisk indicates boxes containing 5 colorimetric tubes and 5 pre-tubes, for a total of 5 measurements. Standard boxes w/o asterisk have 10 tubes.

Piston Hand Pump (Model LP-1200)

Piston Hand Pump Kit includes:

- 50/100 ml Piston Hand Pump – Model LP-1200
- Spare inlet filters (2)
- Spare rubber inlet
- Spare plunger gasket
- Carrying case

PISTON HAND PUMP	PART NUMBER	LIST PRICE
Hand Pump Only	010-0901-000	\$174.00
Hand Pump Kit	010-0001-000	\$189.00

Tube and Pump Accessories

PART NUMBER	DESCRIPTION	Use With...	LIST PRICE
010-3009-015	Remote sampling hose, 15' (5m), and adapter assembly	ALL	\$79.00
010-3009-035	Remote sampling hose, 35' (11m), and adapter assembly	ALL	\$132.00
010-3006-000	LP-1200 Accessory Kit (3 rubber inlets & filters, 2 gaskets, lubricant)	ALL	\$27.00
701-0002-000	Case, soft leather packing case (11" x 8.75" x 3")	ALL	\$48.00
010-4003-000	Handbook of Gas Detection Tubes and Sampling Pumps	ALL	\$27.00
010-2003-000	Colorimetric tube tip breaker	Tubes	\$11.00

Single Gas Monitors

ToxiRAE 3

Models PGM-1700

ToxiRAE 3 H₂S, CO or CO (High Range) Personal Gas Monitor

The ToxiRAE 3 is the smallest single gas monitor on the market with a high-performing, 3-electrode sensor.

The ToxiRAE 3 firmware offers the flexibility to meet each customer's unique requirements and provides data storage when combined with an automated bump and calibration system.

The ToxiRAE 3 offers the perfect solution for high demanding customers.

- Alligator clip
- Functional gas test adapter

ToxiRAE 3 Each monitor includes:	ToxiRAE 3 Pack of 10 includes:	ToxiRAE 3 Pack of 100 includes:
<ul style="list-style-type: none"> • (1/ea) ToxiRAE 3 monitor with H₂S, CO or CO (High Range) sensor (as specified) • CD with Operation manual • Rugged alligator clip • Functional gas test adapter • Calibration certificate • Quick start guide 	<ul style="list-style-type: none"> • (10/ea) ToxiRAE 3 monitor with H₂S, CO or CO (High Range) sensor (as specified) • (2) CDs with Operation Manual • (10) Rugged alligator clips • (2) Functional gas test adapters • (10) Calibration certificates • (2) Quick start guide 	(10 packages of 10 or 100/ea) ToxiRAE 3 monitor with H ₂ S, CO or CO (High Range) sensor (as specified)

ToxiRAE 3 (PGM-1700)

GAS	DESCRIPTION	RANGE PPM	PART NUMBER (1)*	PART NUMBER (2)**	PRICE
H ₂ S	Hydrogen Sulfide (1)	0 – 100	G01-0102-000	N/A	\$179.00
H ₂ S	Hydrogen Sulfide (pack of 10)	0 – 100	G01-0102-010	G01-0104-010	\$1,690.00
H ₂ S	Hydrogen Sulfide (pack of 100)	0 – 100	G01-0102-100	G01-0104-100	\$14,900.00
CO	Carbon Monoxide (1)	0 – 500	G01-0101-000	N/A	\$179.00
CO	Carbon Monoxide (pack of 10)	0 – 500	G01-0101-010	G01-0105-010	\$1,690.00
CO	Carbon Monoxide (pack of 100)	0 – 500	G01-0101-100	G01-0105-100	\$14,900.00
CO	Carbon Monoxide (1)	0 – 1999	G01-0103-000	N/A	\$179.00
CO	Carbon Monoxide (pack of 10)	0 – 1999	G01-0103-010	G01-0106-010	\$1,690.00
CO	Carbon Monoxide (pack of 100)	0 – 1999	G01-0103-100	G01-0106-100	\$14,900.00

* Part Number (1) = for Units with Standard Alarm Points

** Part Number (2) = for Units with Custom Alarm Points (to be specified on order), with a minimum quantity of 50 units

Automated Bump Test and Calibration Station

AutoRAE Lite (see product page 49)

DESCRIPTION	PART NUMBER	PRICE
Bump Test and Calibration (ToxiRAE 3 version)	T01-0100-000	\$1195.00