

# Tubes and Pumps

## RAE Colorimetric Tubes

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

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

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## RAE Specialty Tubes

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

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

Hand Pump Only	010-0901-000	
Hand Pump Kit	010-0001-000	

## Tube and Pump Accessories

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



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.