

RAE TUBES

	PART NUMBER	STANDARD RANGE	EXTENDED RANGE
		<i>half or single stroke</i>	<i>varied no. strokes</i>
ACETONE	10-111-40	0.1 – 2 %	0.05 – 4 %
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 – 240 ppmv	2.5 – 240 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
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 ppmv	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 FUEL	10-143-10	0.5 – 25 ppmv	N/A
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
	10-108-19	20 – 500 ppmv	N/A
	10-108-20 *	20 – 500 ppmv w/ desiccant	N/A
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 %
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
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
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

*Asterisk indicates boxes containing 5 colorimetric tubes and 5 pre-tubes, for a total of 5 measurements.

RAE SPECIALTY TUBES

TYPE	PART NUMBER	DESCRIPTION
RAE-Sep™ VOC	012-2502-005	VOC Tubes for UltraRAE Monitor (5 tubes/box)
RAE-Sep™ BENZENE	012-3022-005	Benzene Separation Tubes for UltraRAE Monitor (5 tubes/box)
RAE-Sep™ BUTADIENE	012-3024-005	Butadiene Separation Tubes for UltraRAE Monitor (5 tubes/box)
RAE-Sep™ HALOCARBON	012-3023-005	Halocarbon Separation Tubes for UltraRAE Monitor (5 tubes/box)
VOC ZEROING (Single Use)	025-2000-010	Disposable, Single-Use VOC Zeroing Tubes for pumped PIDs (10 tubes/box)
HUMIDITY FILTERING	025-2001-010	Disposable, Humidity Filtering Tubes for pumped PIDs (10 tubes/box)
SMOKE GENERATION	10-123-01	Smoke Tubes (Stannic Chloride Irritant, 6 tubes/box)
	010-0004-000	Smoke Tube Kit (includes an aspirator bulb, tube tip breaker and a box of 6 smoke tubes, soft leather case)

RAE PUMPS

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



MANUAL HAND PUMP (LP-1200)

PISTON HAND PUMP	RAE PART NUMBER	LIST PRICE
Hand Pump Only	010-0901-000	\$ 165.00
Hand Pump Kit	010-0001-000	\$ 180.00

SAMPLE-RAE

Model ASP-2000

The SampleRAE is the world's easiest, most accurate method of detection tube sampling. Human error has been eliminated from sample timing and flow monitoring with the microprocessor controlled and user programmable flow rate. A strong internal pump offers truly one-handed operation. The SampleRAE calibrates easily and runs on either Ni-Cd or alkaline batteries. The sample volume displays constantly on a large, backlit Liquid Crystal Display.

SampleRAE Kit includes:

- SampleRAE Automatic Pump – Model ASP-2000
- Gas outlet port adapter with tubing
- Calibration tube
- Screw driver
- Alkaline battery adapter
- Operations manual
- Carrying case
- 4 AA alkaline batteries (if specified)
- Rechargeable Ni-Cd battery (if specified)
- 120 V AC/DC Wall Adapter (if specified)



SAMPLE-RAE MONITOR (ASP-2000)

BATTERIES and CHARGERS	RAE PART NUMBER
Alkaline	010-0011-000
Rechargeable, No wall adapter	010-0011-100
Rechargeable, 120 V wall adapter	010-0011-110
Rechargeable, 230 V wall adapter *	010-0011-120

* for monitors requiring EEx, add the suffix "E"

TUBE and PUMP ACCESSORIES

012-3050-000	Rechargeable Ni-Cd battery pack, 4.8 V, 900 mAh	(ASP-2000)
012-3052-000	Alkaline battery adapter for four AA batteries	(ASP-2000)
500-0036-000	Wall charging adapter, 120 V AC to 12 V DC	(ASP-2000)
500-0036-001	Wall charging adapter, 230 V AC to 12 V DC	(ASP-2000)
010-3009-015	Remote sampling hose, 15' (5m), and adapter assembly	(ALL)

010-3009-035	Remote sampling hose, 35' (11m), and adapter assembly	(ALL)
012-3009-000	Gas outlet port adapter with 2' of Tygon® tubing	(ASP-2000)
500-0003-000	Tedlar® bag – 3 liter sample collection	(ASP-2000)
010-3013-000	Calibration orifice	(ASP-2000)
010-3006-000	LP-1200 Accessory Kit (3 rubber inlets & filters, 2 gaskets, lubricant)	(ALL)
701-0002-000	Case, soft leather packing case (11"x8.75"x3")	(ALL)
010-2007-000	Colorimetric tube reader	(TUBES)
010-4003-000	Handbook of Gas Detection Tubes and Sampling Pumps	(ALL)
010-4011-000	SampleRAE Operators Manual	(ASP-2000)
010-2002-000	Aspirator bulb for Smoke tubes	(TUBES)
010-2003-000	Colorimetric tube tip breaker	(TUBES)