

# Gas Detection Tubes

## RAE Gas Detection Tubes

RAE Gas Detection Tubes measure gas or vapor concentrations in ppm. Air samples are drawn through a glass tube containing a reagent. When contaminants are present, color change represents concentrations as measured against a scale.

### FEATURES

- Quality controlled and batch tested for guaranteed accuracy
- Pre-calibrated with resolution scales to meet your needs
- OSHA approved
- Use the RAE piston hand pump to manually draw samples, or the Sample-RAE for automatic operation
- Economical and easy to use with extended shelf life

### RAE PISTON HAND PUMPS

- Calibrated draw volume
- Lifetime warranty
- Highly accurate and simple to use
- Rapid response readings
- Low cost start-up

### SAMPLE-RAE

- Provides consistent sampling method over time
- Controlled flow rates and sample volume
- Visual and audible alarms
- Ideal if using tubes in large quantities
- Simple automatic operation
- Ideal for oil refineries



RAE Piston Hand Pump with Tubes



Sample-RAE

#### Sample-RAE Kit includes:

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

#### RAE Piston Hand Pump Kit includes:

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



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# Portable Gas Monitor

## RAE Gas Detection Tubes Specifications

GAS DETECTION TUBES	RAE Systems Part Number	Geotech Part Number	STANDARD RANGE half or single stroke	EXTENDED RANGE varied no. strokes
ACETONE	10-111-40	12150093	0.1 - 2 %	0.05 - 4 %
AMINES	10-132-10	12150170	0.5 - 10 ppmv	0.25 - 20 ppmv
AMMONIA	10-100-05	12150171	1 - 30 ppmv	0.5 - 60 ppmv
	10-100-10	12150119	5 - 100 ppmv	2.5 - 200 ppmv
	10-100-12	12150131	10 - 240 ppmv	5 - 520 ppmv
	10-100-15	12150132	25 - 500 ppmv	12 - 1,000 ppmv
	10-100-40	12150133	1 - 15 %	0.5 - 30 %
BENZENE	10-101-01 *	12150101	0.5 - 10 ppmv selective	0.25 - 30 ppmv
	10-101-10 *	12150040	5.0 - 40 ppmv selective	2.5 - 200 ppmv
	10-101-20	12150120	5 - 100 ppmv	2.5 - 200 ppmv
BUTANE	10-137-30	12150134	25 - 1,400 ppmv	12.5 - 2,800 ppmv
CARBON DIOXIDE	10-104-30	12150104	300 - 5,000 ppmv	150 - 10,000 ppmv
	10-104-40	12150106	0.05 - 1 %	0.025 - 2 %
	10-104-45	12150105	0.25 - 3 %	0.12 - 6 %
	10-104-50	12150115	1 - 20 %	0.25 - 20 %
	10-104-60	12150135	5 - 40%	1.25 - 40%
CARBON MONOXIDE	10-102-18	12150136	5 - 100 ppmv selective	2.5 - 200 ppmv
	10-102-20	12150030	5 - 100 ppmv	2.5 - 200 ppmv
	10-102-30	12150137	20 - 500 ppmv	10 - 1000 ppmv
	10-102-45	12150138	0.2 - 4 %	0.05 - 4 %
CHLORINE	10-106-10	12150097	0.5 - 8 ppmv	0.25 - 16 ppmv
	10-106-20	12150121	5 - 100 ppmv	2.5 - 200 ppmv
CHLORINE DIOXIDE	10-130-10	12150139	0.25 - 15 ppmv	0.05 - 30 ppmv
DIESEL FUEL & (Jet Fuel)	10-143-10	12150140	0.5 - 25 ppmv	N/A
ETHANOL	10-141-30	12150141	100 - 2000 ppmv	50 - 2000 ppmv
FORMALDEHYDE	10-121-05	12150142	0.1 - 5 ppmv	0.1 - 40 ppmv
GASOLINE	10-138-30	12150143	30 - 1000 ppmv	15 - 2000 ppmv
HYDROCARBONS	10-110-30	12150081	50 - 1,000 ppmv	25 - 2,000 ppmv
HYDROGEN CHLORIDE	10-108-09	12150098	1 - 20 ppmv	0.5 - 40 ppmv
	10-108-10 *	12150144	1 - 20 ppmv w/ desiccant	0.5 - 40 ppmv
	10-108-19	12150145	20 - 500 ppmv	N/A
	10-108-20 *	12150146	20 - 500 ppmv w/ desiccant	N/A
HYDROGEN CYANIDE	10-126-10	12150147	2.5 - 60 ppmv	1.25 - 120 ppmv
HYDROGEN FLUORIDE	10-105-10	12150148	0.5 - 20 ppmv	0.25 - 40 ppmv
HYDROGEN SULFIDE	10-103-04	12150113	0.2 - 3 ppmv	0.1 - 6 ppmv
	10-103-05 *	12150044	0.2 - 3 ppmv w/ desiccant	0.1 - 6 ppmv
	10-103-06	12150149	1 - 7 ppmv	0.5 - 7 ppmv
	10-103-10	12150084	2.5 - 60 ppmv	1.25 - 120 ppmv
	10-103-15	12150058	10 - 120 ppmv	5 - 240 ppmv
	10-103-18	12150150	25 - 250 ppmv	12.5 - 500 ppmv
	10-103-20	12150127	50 - 800 ppmv	25 - 1,600 ppmv
	10-103-30	12150039	100 - 2,000 ppmv	50 - 4,000 ppmv
	10-103-40	12150094	0.1 - 2 %	0.05 - 4 %
	10-103-50	12150128	2 - 40 %	0.5 - 40 %
MEK	10-113-20	12150151	0.02 - 0.6 %	0.01 - 1.8 %
MERCAPTANS	10-129-20	12150095	5 - 120 ppmv	2.5 - 240 ppmv
METHYL BROMIDE	10-131-10 *	12150152	1 - 18 ppmv	0.5 - 36 ppmv
NITROGEN DIOXIDE	10-117-10	12150153	0.5 - 30 ppmv	N/A
NITROGEN OXIDES	10-109-20 *	12150154	1 - 50 ppmv	0.5 - 100 ppmv
OZONE	10-133-03	12150155	0.05 - 0.6 ppmv	0.15 - 1.8 ppmv
PHENOL	10-139-05	12150156	1 - 25 ppmv	0.5 - 180 ppmv
PHOSPHINE	10-116-10	12150157	5 - 50 ppmv	2.5 - 100 ppmv
	10-116-20	12150158	25 - 500 ppmv	12.5 - 1,000 ppmv
	10-116-25	12150159	50 - 1,000 ppmv	25 - 2,000 ppmv
SULFUR DIOXIDE	10-107-15	12150085	2 - 30 ppmv	1 - 60 ppmv
	10-107-20	12150160	5 - 100 ppmv	2.5 - 200 ppmv
	10-107-25	12150161	100 - 1,800 ppmv	50 - 3,600 ppmv
	10-107-30	12150162	200 - 4,000 ppmv	50 - 4,000 ppmv
	10-107-40	12150096	0.2 - 5 %	0.1 - 10 %
TOLUENE	10-114-20	12150117	10 - 300 ppmv	5 - 600 ppmv
TRICHLOROETHYLENE	10-119-20 *	12150164	5 - 100 ppmv	2.5 - 230 ppmv
VINYL CHLORIDE	10-128-10 *	12150118	1 - 20 ppmv	0.5 - 40 ppmv
WATER VAPOR	10-120-10	12150165	2 - 10 lbs/MMCF (0.03-0.16 mg/L)	1 - 20 lbs/MMCF
	10-120-20	12150166	6 - 40 lbs/MMCF (0.1-0.64 mg/L)	3 - 80 lbs/MMCF
	10-120-30	12150167	0.05 - 1 mg/L	0.025 - 2 mg/L
	10-120-40	12150168	1 - 18 mg/L	0.5 - 32 mg/L
XYLENE	10-112-20	12150169	10 - 200 ppmv	5 - 400 ppmv

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



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