

RAE Systems Colorimetric Gas Detection Tubes

Tube Listing

RAE Systems' large selection of Colorimetric Gas Detection Tubes offer quick, on-the-spot measurements of many gases and vapors at low cost. The tubes are easy to read with a sharp, clear color change and provide accuracy with no need for calibration.

To order any of these tubes, or to inquire about tube availability, please contact Environmental Monitoring Systems at (800) 293-3003.

An asterisk () in the chart below indicates boxes containing 5 colorimetric tubes and 5 pre-tubes, for a total of 5 measurements. Standard boxes without the asterisk have 10 tubes.*

Gas Type	RAE Part Number	Standard Range
Acetone (C₃H₆O)	10-111-40	0.1 - 2%
Amines (RNH₂)	10-132-10	0.5 - 10 ppmv
Ammonia (NH₃)	10-100-05	1 - 30 ppmv
	10-100-10	5 - 100 ppmv
	10-100-12	10 - 260 ppmv
	10-100-15	25 - 500 ppmv
	10-100-40	1 - 15%
Benzene (C₆H₆)	10-101-01*	0.5 - 10 ppmv selective
	10-101-10*	5 - 40 ppmv selective
	10-101-20	5 - 100 ppmv
Butane (C₄H₁₀)	10-137-30	25 - 1400 ppmv
Carbon Dioxide (CO₂)	10-104-30	300 - 5000 ppmv
	10-104-40	0.05 - 1%
	10-104-45	0.25 - 3%
	10-104-50	1 - 20%
	10-104-60	5 - 40%
Carbon Monoxide (CO)	10-102-18	5 - 100 ppmv selective
	10-102-20	5 - 100 ppmv
	10-102-30	20 - 500 ppmv
	10-102-45	0.2 - 4%
Chlorine (Cl₂)	10-106-10	0.5 - 8 ppmv
	10-106-20	5 - 100 ppmv

Chlorine Dioxide (ClO₂)	10-130-10	0.25 - 15 ppmv
Diesel Fuel & Jet Fuel	10-143-10	0.5 - 25 ppmv
Ethanol (C₂H₆O)	10-141-30	100 - 2000 ppmv
Formaldehyde (CH₂O)	10-121-05	0.1 - 5 ppmv
Gasoline (C_nH_m)	10-138-30	30 - 1000 ppmv
Hydrocarbons (HC)	10-110-30	50 - 1000 ppmv
Hydrogen Chloride (HCl)	10-108-09	1 - 20 ppmv
	10-108-10*	1 - 20 ppmv w/desiccant
	10-108-22	20 - 500 ppmv w/desiccant
Hydrogen Cyanide (HCN)	10-126-10	2.5 - 60 ppmv
Hydrogen Fluoride (HF)	10-105-10	0.5 - 20 ppmv
Hydrogen Sulfide (H₂S)	10-103-04	0.2 - 3 ppmv
	10-103-05*	0.2 - 3 ppmv w/desiccant
	10-103-06	1 - 7 ppmv
	10-103-10	2.5 - 60 ppmv
	10-103-15	10 - 120 ppmv
	10-103-18	25 - 250 ppmv
	10-103-20	50 - 800 ppmv
	10-103-30	100 - 2000 ppmv
	10-103-40	0.1 - 2%
	10-103-50	2 - 40%
MEK - Methyl Ethyl Ketone (C₄H₈O)	10-113-20	0.02 - 0.6%
Mercaptans (RSH)	10-129-20	5 - 120 ppmv
Methyl Bromide (CH₃Br)	10-131-10	1 - 18 ppmv
Nitrogen Dioxide (NO₂)	10-117-10	0.5 - 30 ppmv
Nitrogen Oxides (NO_x)	10-109-20*	1 - 50 ppmv
Ozone (O₃)	10-133-03	0.05 - 0.6 ppmv
Phenol (C₆H₆O)	10-139-05	1 - 25 ppmv
Phosphine (PH₃)	10-116-10	5 - 50 ppmv
	10-116-20	25 - 500 ppmv
	10-116-25	50 - 1000 ppmv
Sulfur Dioxide (SO₂)	10-107-15	2 - 30 ppmv

	10-107-20	5 - 100 ppmv
	10-107-25	100 - 1800 ppmv
	10-107-30	200 - 4000 ppmv
	10-107-40	0.2 - 5%
Toluene (C₇H₈)	10-114-20	10 - 300 ppmv
Trichloroethylene (C₂HCl₃)	10-119-20*	5 - 100 ppmv
Vinyl Chloride (C₂H₃Cl)	10-128-10*	1 - 20 ppmv
Water Vapor (H₂O)	10-120-10	2 - 10 lbs/MMCF
	10-120-20	6 - 40 lbs/MMCF
	10-120-30	0.05 - 1.0 mg/L
	10-120-40	1 - 18 mg/L
Xylene (C₈H₁₀)	10-112-20	10 - 200 ppmv