

HONEYWELL RAE SYSTEMS COLORIMETRIC TUBES AND PUMP

Affordable Measurement for Specific Gases and Vapors

Honeywell RAE Systems Colorimetric Tubes are easy to read, and provide a sharp, clear color change directly responding to the concentration of gas present.

ON-THE-SPOT, COMPOUND SPECIFIC MEASUREMENTS

Honeywell RAE Systems colorimetric gas detection tubes enable quick, on-the-spot measurement of a wide range of toxic and combustible gases and vapors. Colorimetric tubes are compatible with the Honeywell piston hand pump, a reliable way to draw samples of a precise volume required for the most accurate measurements.

APPLICATIONS:

- Oil and Gas
- Chemicals and Petrochemicals
- Agriculture and Pest Control
- Food and Beverage Production
- Environmental Protection
- Fire Service
- Hazmat Response
- National Security

FEATURES AND BENEFITS

KEY FEATURES

- Single use colorimetric gas detection tubes change color in direct correlation to the concentration of gas present
- Tubes are calibrated at the Honeywell factory, no additional calibration required
- Quick, accurate, low-cost measurements
- Easy to read, with sharp, clear color change
- Wide assortment of tubes available to detect over 300 gases and vapors
- Easy to use, even in multiple layers of gloves



HAND PUMP (LP-1200)

Piston Hand Pump Kit
(H-010-0001-000)

- Ergonomic, durable hand pump
- Solid metal construction with lifetime warranty
- Springless piston design accurately draws 50 to 100 cc volumes

Honeywell

Honeywell Colorimetric Tubes

Technical Specifications

See product manual for full specifications.

Technical Specifications			
Type	Part Number	Standard Range	Extended Range
Acetone	H10-111-40	0.1 to 2%	0.05 to 4%
Amines	H10-132-10	0.5 to 10 ppmv	0.25 to 20 ppmv
Ammonia	H10-100-05	1 to 30 ppmv	0.5 to 60 ppmv
	H10-100-10	5 to 100 ppmv	2.5 to 200 ppmv
	H10-100-12	10 to 260 ppmv	5 to 520 ppmv
	H10-100-15	25 to 500 ppmv	12 to 1000 ppmv
	H10-100-40	1 to 15%	0.5 to 30%
Benzene	H10-101-01*	0.5 to 10 ppmv selective	0.25 to 30 ppmv
	H10-101-10*	5 to 40 ppmv selective	25 to 200 ppmv
	H10-101-20	5 to 100 ppmv	2.5 to 200 ppmv
Butadiene	H10-135-04	0.5 to 5 ppmv	0.25 to 10 ppmv
n-Butane	H10-137-30	25 to 1400 ppmv	12.5 to 2800 ppmv
Carbon Dioxide	H10-104-30	300 to 5000 ppmv	150 to 10,000 ppmv
	H10-104-40	0.05 to 1%	0.025 to 2%
	H10-104-45	0.25 to 3%	0.125 to 6%
	H10-104-50	1 to 20%	0.5 to 10%
	H10-104-60	5 to 40%	1.25 to 20%
Carbon Monoxide	H10-102-18	5 to 100 ppmv selective	2.5 to 300 ppmv
	H10-102-20	5 to 100 ppmv	2.5 to 200 ppmv
	H10-102-30	20 to 500 ppmv	10 to 1000 ppmv
	H10-102-45	0.2 to 4%	0.4 to 8%
Chlorine	H10-106-10	0.5 to 8 ppmv	0.25 to 16 ppmv
	H10-106-20	5 to 100 ppmv	2.5 to 200 ppmv
Chlorine Dioxide	H10-130-10	0.25 to 15 ppmv	0.05 to 30 ppmv
Diesel & Jet Fuel	H10-143-10	0.5 to 25 ppmv	N/A
Ethanol	H10-141-30	100 to 2000 ppmv	50 to 2000 ppmv
Formaldehyde	H10-121-05	0.1 to 5 ppmv	0.1 to 40 ppmv
Gasoline	H10-138-30	30 to 1000 ppmv	15 to 2000 ppmv
Hydrocarbons	H10-110-30	50 to 1000 ppmv	25 to 2000 ppmv
Hydrogen Chloride	H10-108-09	1 to 20 ppmv	0.5 to 40 ppmv
	H10-108-10*	1 to 20 ppmv w/ desiccant	0.5 to 40 ppmv
	H10-108-22	20 to 500 ppmv	10 to 1000 ppmv
Hydrogen Cyanide	H10-126-10	2.5 to 60 ppmv	1.25 to 120 ppmv
Hydrogen Fluoride	H10-105-10	0.5 to 20 ppmv	0.25 to 40 ppmv

Technical Specifications			
Type	Part Number	Standard Range	Extended Range
Hydrogen Sulfide	H10-103-04	0.2 to 3 ppmv	0.1 to 6 ppmv
	H10-103-05*	0.2 to 3 ppmv w/ desiccant	0.1 to 6 ppmv
	H10-103-06	1 to 7 ppmv	0.25 to 7 ppmv
	H10-103-10	2.5 to 60 ppmv	1.25 to 120 ppmv
	H10-103-12	0 to 150ppmv	5 to 240ppmv
	H10-103-15	10 to 120 ppmv	5 to 240 ppmv
	H10-103-18	25 to 250 ppmv	12.5 to 500 ppmv
	H10-103-20	50 to 800 ppmv	25 to 1600 ppmv
	H10-103-30	to 2000 ppmv	50 to 4000 ppmv
	H10-103-40	0.1 to 2%	0.05 to 4%
	H10-103-50	2 to 40%	0.5 to 20%
MEK	H10-113-20	0.02 to 0.6 %	0.01 to 1.8 %
Mercaptans	H10-129-20	5 to 120 ppmv	2.5 to 240 ppmv
Methyl Bromide	H10-131-10	1 to 18 ppmv	0.5 to 36 ppmv
	H10-131-30	20 to 300 ppmv	40 to 600 ppmv
Nitric Acid	H10-146-20	1 to 20 ppm	0.5 to 40 ppm
Nitrogen Dioxide	H10-117-10	0.5 to 30 ppmv	N/A
Nitrogen Oxides	H10-109-20*	1 to 50 ppmv	0.5 to 100 ppmv
Ozone	H10-133-03	0.05 to 0.6 ppmv	0.15 to 1.8 ppmv
Phenol	H10-139-05	1 to 25 ppmv	0.5 to 180 ppmv
Phosphine	H10-116-10	5 to 50 ppmv	2.5 to 100 ppmv
	H10-116-20	25 to 500 ppmv	12.5 to 1000 ppmv
	H10-116-25	50 to 1000 ppmv	25 to 2000 ppmv
	H10-107-15	2 to 30 ppmv	1 to 60 ppmv
Sulfur Dioxide	H10-107-20	5 to 100 ppmv	2.5 to 200 ppmv
	H10-107-25	10 to 1800 ppmv	50 to 3600 ppmv
	H10-107-30	20 to 4000 ppmv	50 to 4000 ppmv
	H10-107-40	0.2 to 5 %	0.1 to 10 %
Toluene	H10-114-20	10 to 300 ppmv	5 to 600 ppmv
Trichloroethylene	H10-119-20*	5 to 100 ppmv	2.5 to 230 ppmv
Vinyl Chloride	H10-128-10*	1 to 20 ppmv	0.5 to 40 ppmv
Water Vapor	H10-120-10	2 to 10 lbs/MMCF (0.03 to 0.16 mg/L)	1 to 20 lbs/MMCF
	H10-120-20	6 to 40 lbs/MMCF (0.1 to 0.64 mg/L)	3 to 80 lbs/MMCF
	H10-120-30	0.05 to 1 mg/L	0.025 to 2 mg/L
	H10-120-40	1 to 18 mg/L	0.5 to 32 mg/L



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FUTURE
IS
WHAT
WE
MAKE IT**

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