

## Colorimetric Gas Detection **Tubes & Pump**



**On-the-spot, compound-specific measurement of gases and vapors**

Honeywell colorimetric gas detection tubes enable quick, on-the-spot measurement of a wide range of toxic and combustible gases and vapors. Honeywell tubes are easy to read, and provide a sharp, clear color change directly corresponding to the concentration of gas present. Honeywell tubes are compatible with the Honeywell piston hand pump, a reliable way to draw samples of an exact volume required for the most accurate measurements.

- Quick, accurate, low-cost measurements
- Easy to read, with sharp, clear color change
- No calibration needed

### KEY FEATURES

#### Colorimetric Tubes

*(See Colorimetric Tubes Part Numbers on back page)*

- Wide assortment of tubes available to detect over 300 gases and vapors
- Easy to use, even in multiple layers of gloves
- Easy-to-read with sharp, clear color change
- No calibration or other maintenance required

#### Hand Pump (H-LP-1200)

*(Piston Hand Pump Kit Part Number: H-010-0001-000)*

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

### APPLICATIONS

- Oil and gas
- Chemicals and petrochemicals
- Agriculture and pest control
- Food and beverage production
- Environmental protection
- Fire service
- HazMat response
- National security



First responder uses Honeywell Colorimetric Tubes and Hand Pump to measure VOC levels inside a barrel.

# Colorimetric Gas Detection Tubes & Pump

On-the-spot, compound-specific measurement of gases and vapors

## SPECIFICATIONS

| Type              | Part Number  | Standard Range            | Extended Range     |
|-------------------|--------------|---------------------------|--------------------|
| Acetone           | H-10-111-40  | 0.1 to 2%                 | 0.05 to 4%         |
| Amines            | H-10-132-10  | 0.5 to 10 ppmv            | 0.25 to 20 ppmv    |
| Ammonia           | H-10-100-05  | 1 to 30 ppmv              | 0.5 to 60 ppmv     |
|                   | H-10-100-10  | 5 to 100 ppmv             | 2.5 to 200 ppmv    |
|                   | H-10-100-12  | 10 to 260 ppmv            | 5 to 520 ppmv      |
|                   | H-10-100-15  | 25 to 500 ppmv            | 12 to 1000 ppmv    |
|                   | H-10-100-40  | 1 to 15%                  | 0.5 to 30%         |
| Benzene           | H-10-101-01* | 0.5 to 10 ppmv selective  | 0.25 to 30 ppmv    |
|                   | H-10-101-10* | 5 to 40 ppmv selective    | 2.5 to 200 ppmv    |
|                   | H-10-101-20  | 5 to 100 ppmv             | 2.5 to 200 ppmv    |
| 1,3-Butadiene     | H-10-135-04  | 0.5 to 5 ppmv             | 0.25 to 10 ppmv    |
| n-Butane          | H-10-137-30  | 25 to 1400 ppmv           | 12.5 to 2800 ppmv  |
| Carbon Dioxide    | H-10-104-30  | 300 to 5000 ppmv          | 150 to 10,000 ppmv |
|                   | H-10-104-40  | 0.05 to 1%                | 0.025 to 2%        |
|                   | H-10-104-45  | 0.25 to 3%                | 0.125 to 6%        |
|                   | H-10-104-50  | 1 to 20%                  | 0.5 to 10%         |
|                   | H-10-104-60  | 5 to 40%                  | 1.25 to 20%        |
| Carbon Monoxide   | H-10-102-18  | 5 to 100 ppmv selective   | 2.5 to 300 ppmv    |
|                   | H-10-102-20  | 5 to 100 ppmv             | 2.5 to 200 ppmv    |
|                   | H-10-102-30  | 20 to 500 ppmv            | 10 to 1000 ppmv    |
|                   | H-10-102-45  | 0.2 to 4%                 | 0.1 to 8%          |
| Chlorine          | H-10-106-10  | 0.5 to 8 ppmv             | 0.25 to 16 ppmv    |
|                   | H-10-106-20  | 5 to 100 ppmv             | 2.5 to 200 ppmv    |
| Chlorine Dioxide  | H-10-130-10  | 0.25 to 15 ppmv           | 0.05 to 30 ppmv    |
| Diesel & Jet Fuel | H-10-143-10  | 0.5 to 25 ppmv            | N/A                |
| Ethanol           | H-10-141-30  | 100 to 2000 ppmv          | 50 to 200 ppmv     |
| Formaldehyde      | H-10-121-05  | 0.1 to 5 ppmv             | 0.8 to 40 ppmv     |
| Gasoline          | H-10-138-30  | 30 to 1000 ppmv           | 15 to 2000 ppmv    |
| Hydrocarbons      | H-10-110-30  | 50 to 1000 ppmv           | 25 to 2000 ppmv    |
| Hydrogen Chloride | H-10-108-09  | 1 to 20 ppmv              | 0.5 to 40 ppmv     |
|                   | H-10-108-10* | 1 to 20 ppmv w/ desiccant | 0.5 to 40 ppmv     |
|                   | H-10-108-22  | 20 to 500 ppmv            | 10 to 1000 ppmv    |
| Hydrogen Cyanide  | H-10-126-10  | 2.5 to 60 ppmv            | 1.25 to 120 ppmv   |
| Hydrogen Fluoride | H-10-105-10  | 0.5 to 20 ppmv            | 0.25 to 40 ppmv    |

| Type              | Part Number  | Standard Range                       | Extended Range    |
|-------------------|--------------|--------------------------------------|-------------------|
| Hydrogen Sulfide  | H-10-103-04  | 0.2 to 3 ppmv                        | 0.1 to 6 ppmv     |
|                   | H-10-103-05* | 0.2 to 3 ppmv w/ desiccant           | 0.1 to 6 ppmv     |
|                   | H-10-103-06  | 1 to 7 ppmv                          | 0.25 to 3.5 ppmv  |
|                   | H-10-103-10  | 2.5 to 60 ppmv                       | 1.25 to 120 ppmv  |
|                   | H-10-103-12  | 0 to 150 ppmv                        | 0 to 300 ppmv     |
|                   | H-10-103-15  | 10 to 120 ppmv                       | 5 to 240 ppmv     |
|                   | H-10-103-18  | 25 to 250 ppmv                       | 12.5 to 500 ppmv  |
|                   | H-10-103-20  | 50 to 800 ppmv                       | 25 to 1600 ppmv   |
|                   | H-10-103-30  | 100 to 2000 ppmv                     | 50 to 4000 ppmv   |
|                   | H-10-103-40  | 0.1 to 2%                            | 0.05 to 4%        |
| H-10-103-50       | 2 to 40%     | 0.5 to 20%                           |                   |
| MEK               | H-10-113-20  | 0.02 to 0.6 %                        | 0.01 to 1.8 %     |
| Mercaptans        | H-10-129-20  | 5 to 120 ppmv                        | 2.5 to 240 ppmv   |
| Methyl Bromide    | H-10-131-10* | 1 to 18 ppmv                         | 0.5 to 36 ppmv    |
|                   | H-10-131-30* | 20 to 300 ppmv                       | 10 to 600 ppmv    |
| Nitric Acid       | H-10-146-20  | 1 to 20 ppm                          | 0.5 to 40 ppm     |
| Nitrogen Dioxide  | H-10-117-10  | 0.5 to 30 ppmv                       | N/A               |
| Nitrogen Oxides   | H-10-109-20* | 1 to 50 ppmv                         | 0.5 to 100 ppmv   |
| Ozone             | H-10-133-03  | 0.05 to 0.6 ppmv                     | 0.15 to 1.8 ppmv  |
| Phenol            | H-10-139-05  | 1 to 25 ppmv                         | 0.5 to 180 ppmv   |
| Phosphine         | H-10-116-10  | 5 to 50 ppmv                         | 2.5 to 100 ppmv   |
|                   | H-10-116-20  | 25 to 500 ppmv                       | 12.5 to 1000 ppmv |
|                   | H-10-116-25  | 50 to 1000 ppmv                      | 25 to 2000 ppmv   |
| Sulfur Dioxide    | H-10-107-15  | 2 to 30 ppmv                         | 1 to 60 ppmv      |
|                   | H-10-107-20  | 5 to 100 ppmv                        | 2.5 to 200 ppmv   |
|                   | H-10-107-25  | 100 to 1800 ppmv                     | 50 to 3600 ppmv   |
|                   | H-10-107-30  | 200 to 4000 ppmv                     | 50 to 2000 ppmv   |
|                   | H-10-107-40  | 0.2 to 5 %                           | 0.1 to 10 %       |
| Toluene           | H-10-114-20  | 10 to 300 ppmv                       | 5 to 600 ppmv     |
| Trichloroethylene | H-10-119-20* | 5 to 100 ppmv                        | 2.5 to 230 ppmv   |
| Vinyl Chloride    | H-10-128-10* | 1 to 20 ppmv                         | 0.5 to 40 ppmv    |
| Water Vapor       | H-10-120-10  | 2 to 10 lbs/MMCF (0.03 to 0.16 mg/L) | 1 to 20 lbs/MMCF  |
|                   | H-10-120-20  | 6 to 40 lbs/MMCF (0.1 to 0.64 mg/L)  | 3 to 80 lbs/MMCF  |
|                   | H-10-120-30  | 0.05 to 1 mg/L                       | 0.025 to 2 mg/L   |
|                   | H-10-120-40  | 1 to 18 mg/L                         | 0.5 to 32 mg/L    |
| Xylenes           | H-10-112-20  | 10 to 200 ppmv                       | 5 to 400 ppmv     |

\* Box contains 5 colorimetric tubes and 5 pre-tubes, for a total of 5 measurements. Other boxes contain 10 colorimetric tubes.

**Honeywell**