

# INNOVATION DRIVES OUR GAS DETECTION

**Gas Detection Tubes & Pumps**  
Safety and Environmental Monitoring Solutions







# COMMITTED TO QUALITY



## KwikDraw Pump Family

Manually operated pumps for KwikDraw Tubes



**Gas Tester™ I**  
Economical, easy to operate using one hand and incorporates a manual stroke counter.



**Gas Tester™ II H**  
Integral automatic stroke counter and finish flow indicator. Completely compressing, the bellows locks the pump until the red stroke activation button is pressed. This allows the user to begin the measurement at precisely the right moment.

### KwikDraw™ Deluxe

Same great performance, now enhanced with a unique end-of-stroke indicator that “winks” after the precise volume is drawn through the tube, confirming the end of the pump stroke cycle. Thus signaling to the user to remove the tube from the pump and make the reading or leave the tube in the pump and take the next pump stroke.

### Toximeter™ III

Electronically controlled pump for KwikDraw Tubes

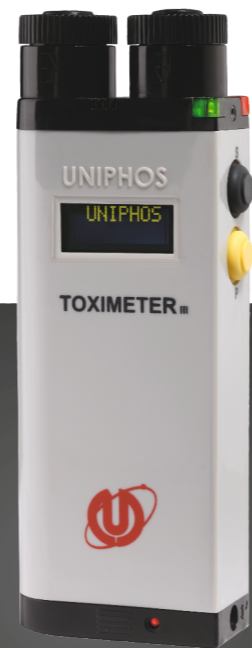
Multi-functional, automatic pump allowing the user to preset the number of pump strokes from 1 to 250 strokes. Ideal for taking repetitive measurements or determination of ultralow concentrations requiring a high number of strokes. It works with all KwikDraw tubes and can be used as a sampling pump.

## Detector Tubes

For the detection and quantification of toxic chemicals

KwikDraw™ detector tubes provide a reliable method for the detection of more than 200 gases and vapors. Used with a manually operated hand pump or the automatic Toximeter III, these tubes can be used to provide spot measurements with most results in less than 5 minutes, read directly from the calibration curve printed on the tube. Detector tubes remain one of the most diverse means of detection in the world, for the workplace at an economical price.

TUBES FOR MORE THAN 200 GASES & VAPORS



**KWIK DRAW**  
UNIPHOS

# EXPANDING YOUR GAS DETECTION CHOICES

## Breathing Air Quality Monitoring kits

These kits provide a convenient means to test the purity of compressed breathing air from compressors, plant supplied air systems or high pressure air cylinders for self-contained breathing apparatus. It is often used by firefighters. Checking the levels of carbon dioxide, carbon monoxide, oil and water vapor, high pressure kits include adapters for 200 / 300 bar or in U.S.A. for 2216 / 4500 psi SCBA.



**Air Tester HP Multi Port Kit**  
For high pressure compressors & compressed air cylinders

**Air Tester MP Kit**  
For plant supplied air & medium pressures

## Hazmat Response Kits

The kit is ideal when responding to an incident involving unknown contaminants in air at a hazardous incident or industrial setting. The tubes in the kit identify chemicals by class or functional group. The tubes are designed for quick, qualitative assessments, capable of determining the presence of the contaminants at minimum concentration levels.



“SAFETY FIRST”

- The kit is designed to aid in the initial assessment of potentially hazardous situations.
- It provides a variety of gas detection tubes to help emergency response, fire, and Hazmat teams to classify unknown chemical gases and vapors at accident or spill sites.
- The detector tubes included in the kit have been selected to utilize a systematic sampling matrix.

### Application Areas

- Residential Calls
- Fire Rescue
- Emergency Response
- Search & Rescue
- Confined Space Entry

## Accessories for Detector Tubes



### Sampling Lines

Sampling lines or extension hoses are available in 4 m and 15 m lengths for taking remote samples from confined spaces or otherwise inaccessible areas, such as tanks, cargo holds, reaction vessels, silos and manhole entries.



### Tube Tip Opener

This handy tool is used to score, then cleanly break off the tips of the tubes. It reduces the potential for jagged edges and glass shards while increasing safety.



### Quad Port Sampler

The sampler is used with the tubes in the Hazmat Response kit for sampling with 4 tubes simultaneously for faster results when time is of the essence.

## FIRE BRIGADE KITS

**Kit 1**  
26 tubes  
Smoke Kit  
Pump  
Accessories

**Kit 2**  
40 tubes  
Smoke Kit  
Pump  
Accessories

**Kit 3**  
45 tubes  
Smoke Kit  
Pump  
Accessories

**Kit 4**  
14 tubes  
Smoke Kit  
Pump  
Accessories

# QUICK & PRECISE RESULTS EVERY TIME



## Ventilation Smoke Tubes

*Indicating air flow patterns*

These tubes can be used to qualitatively assess the ventilation in mining, leak detection around doors and windows, for testing the performance of ventilation systems in buildings, checking laminar flow of fume hoods, simple assessment of wind direction and approximate wind speed.

### Smoke Generating Kits

Kit consists of one package smoke generation tubes and aspirator bulb in a plastic case. Individual packages of smoke tubes available.

### Smoke Generating Cartridges

For ventilation testing, leak testing of pipelines, burners, windows and mining ventilation.

### Ventilation Smoke Tube (Non-Corrosive)

Each plastic tube contains 2 ampoules with different chemicals (Ethylenediamine and Acetic Acid). The user has to crush the ampoules, mix the chemicals and create smoke by pushing air through the tube by squeezing the rubber bulb. Package of 12.

### Ventilation Smoke Tube Kit (Non-Corrosive)

The kit consists of a package of six smoke tubes and hand-held rubber aspirator bulb in a plastic carrying case.



“  
**BACKED BY DECADES OF IN-HOUSE RESEARCH & DEVELOPMENT**  
”

## Industry Action Tube Sets

Designed for the rapid detection of 4-5 gases/vapors, these boxes of tubes contain tubes with two scale marks for semi-quantitative assessments using one tube at a time. These sets are designed for specific industries, including Agriculture, Pharmaceutical, Petrochemical, Mining, Pulp and Paper, Synthetics Manufacturing and Semiconductor.

## Indoor Air Set

The Indoor Air Tube Sets provide a quick assessment and basic information of the indoor air quality. These sets can be used in college dormitories, office complexes, apartment buildings, etc. to determine the levels of carbon dioxide, carbon monoxide, water vapor (RH), formaldehyde and ozone.

