

Schützen Gas Detection Tubes & Pumps





Schützen Detector Tubes provide a highly economical and reliable method for detecting most gases. These colorimetric detector tubes use a simple manual sampling pump to draw in air, with gas concentrations indicated by a clear color change on the tube scale.

APPLICATIONS

- Confined Spaces
- Fumigation
- Occupational Safety & Health
- Oil & Gas Industry
- Petrochemical Plants
- Process Control
- Research Laboratories



SAMPLING PUMP

The ZG-1 vacuum manual sample pump uses the negative pressure generated in the piston cylinder to draw the measured gas into the piston cylinder through the gas detection tube. When the measured gas passes through the gas detection tube, it reacts with the indicator in the detection tube to produce a color change, and the concentration of the measured gas is obtained through the color change.



DETECTOR TUBE

Our 5mm gas detector tube are designed for use with a compatible sample draw pump, offers a simple, rapid, and reliable method for on-the-spot detection and measurement of gases and vapors in the air.

These detector tubes are especially useful for field applications where immediate results are required. By drawing an air sample through the tube using the pump, the presence and concentration of specific gases can be determined based on a visible color change along a calibrated scale inside the tube.

- Wide range of gases available for detection (e.g., C_6H_6 , CO, NH_3 , H_2S , SO_2 , Cl_2)
- Lightweight and compact design makes it ideal for field use and confined space testing
- Cost are inexpensive compared to other brands
- Tubes are sealed and stable under proper storage conditions, maintaining accuracy over long shelf life
- Operates without electricity or batteries, making it suitable for remote or hazardous environments
- Chemical reagent inside the tube changes color in response to the target gas, with a measurable stain length

