

GASTEC

Gas Detector Tube Pump Kit

The Essentials

Safety, precision, ease, speed and durability are the gas detection system essentials required by health and safety professionals. The streamlined GASTEC pump provides these essentials and more ...

- Single-stroke operation brings timesaving ease of use to gas detection.
- A slender ergonomically designed, sure grip shape; lightweight, corrosion resistant and spark-resistant if dropped. The synthetic-rubber sheath allows the pump to be held firmly, even with wet rubber gloves.
- Piston-type volumetric pump assures accuracy every time.
- Fail-safe handle locks in two positions (50 cc or 100 cc) which virtually eliminates incomplete samples that can occur with squeeze-type pumps when they are not fully collapsed.
- A flow finish indicator on the back of the handle, making viewing instantaneous and easy.
- More direct-reading tubes, nearly 300, including more SEI-certified tubes than any other gas detection system manufacturer.
- Clear indication of concentration level of the substance being measured is shown by the length of the stain in the glass tube. The measurement is precisely recorded for direct reading on a single calibration scale printed on each tube.
- No confusion, no dual scales, and no extra charts or graphs. No ambiguous Colour comparison cards and no clumsy ampoule tubes.
- A lifetime warranty, thus guaranteeing years of dependable, trouble-free operation. No other system offers the GASTEC pump's combination of superior features and benefits.

Refer to following pages for complete listing of GASTEC tubes.



Principals of Operation

Each detector tube contains a reagent that is specifically sensitive to a particular vapour or gas.

These reagents are on fine-grain silica gel, activated alumina or other absorbing media (depending upon application requirements), inside a constant-inner-diameter, hermetically sealed glass tube.

GASTEC detector tubes are the "direct-reading" type, with calibration markings right on the tube so measurements can be made as simply and precisely as reading a thermometer.

The actual operation is simple and accurate. Just snap off both "break-away" ends of a tube in the convenient tube-tip breaker, insert the tube into the handheld pump, and pull out the pump handle. And that's it.

As the handle is pulled (just like a syringe), a precisely measured volume of ambient air is drawn inside the tube where it contacts the reagent.

Instantly, the reagent changes colour. The reagent reacts quantitatively to provide a length-of-stain indication. The farther the colour stain travels along the tube, the higher the concentration of gas. Note the calibration mark on the tube at the point where the colour stain stops and that's the measurement.

It's safe, precise and fast. A Single Stroke of Genius.

Part No. Description

GV-100S Pump kit with carry bag and accessory bag

345A Hot probe holder

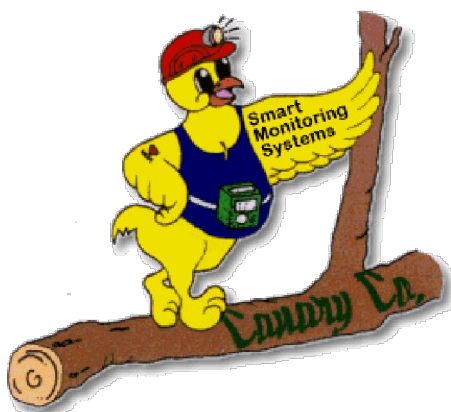
350A Extension hose, 5 metre

350A-10 Extension hose, 10 metre

350BP Telescoping extension probe (up to 3 metres)

GV-100S-HB Detector tube handbook

GV-100-2 Lubricant



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GASTEC

Detector Tubes

Ordering Information - 10 Tubes/Box

Part No. Gas/Vapor Measuring Range

81 Acetic Acid 1-100 ppm
3L Ammonia 0.5-78 ppm
3LA Ammonia 2.5-200 ppm
3M Ammonia (Mid Range) 10-1,000 ppm
121 Benzene 2.5-120 ppm
121L Benzene (1) 0.125-60 ppm
121SL Benzene (1) 1-100 ppm
104 Butane 25-1400 ppm
114 N-Butanol 10-150 ppm
142L Butyl Acetate 7-210 ppm
2LC Carbon Dioxide 100-4,000 ppm
2H Carbon Dioxide 0.5-20%v
1LA Carbon Monoxide 8-1,000 ppm
1LC Carbon Monoxide 1-30 ppm
1LK Carbon Monoxide in Hydrogen 5-600 ppm
21LA Carbonyl Sulfide (1) 2-125 ppm
8LA Chlorine 0.1-16 ppm
61 o-Cresol 0.4-62.5 ppm
141L Ethyl Acetate 25-270 ppm
165L Ethylene Glycol (Low Range) (1) 10-100 mg/m³
163 Ethylene Oxide 0.05-3%v
72 Ethyl Mercaptan LP Gas 0.5-120 ppm
102H n-Hexane 0.015-1.2%v
102L n-Hexane 10-1200 ppm
185 Hydrazine 0.05-2 ppm
105 Hydrocarbons (Higher Class) 100-3,000 ppm
103S Hydrocarbons (Lower Class) 0.05-2.4%v
4HT Hydrogen Sulfide 1-40%v
4HH Hydrogen Sulfide 0.1-4%v
4H Hydrogen Sulfide 10-4,000 ppm

Notes:

(1) Twin tube, 5 indicating tubes and
5 pre-tube per box



Ordering Information - 10 Tubes/Box

Part No. Gas/Vapor Measuring Range

4LL Hydrogen Sulfide 0.25-120 ppm
4LB Hydrogen Sulfide 0.5-12 ppm
4L Hydrogen Sulfide (Low Range) 1-240 ppm
4LK Hydrogen Sulfide (Low Range) 1-40 ppm
4M Hydrogen Sulfide (Mid Range) 12.5-500 ppm
4LT Hydrogen Sulfide (Ultra Low Range) 0.1-4 ppm
45S Hydrogen Sulfide, Sulfur Dioxide (1) 1.25-120 ppm (H₂S tube)
(Separate quantification) 0.25-20 ppm (SO₂ tube)
45H Hydrogen Sulfide + Sulfur Dioxide 0.02-8%v
(Total quantification)
113L Isopropyl Alcohol (Low Range) 25-800 ppm
70 Mercaptans 0.5-120 ppm
111L Metanol 20-1,000 ppm
152 Methyl Ethyl Ketone 0.2-0.6%v
153 Methyl Isobutyl Ketone 0.05-0.6%v
31B Oxygen (1) 3-24%v
18L Ozone 0.025-3 ppm
106 Petroleum Naptha 0.5-28 mg/L
60 Phenol 0.4-187 ppm
124 Styrene 10-1,500 ppm
5LA Sulfur Dioxide (Low Range) 0.5-60 ppm
5L Sulfur Dioxide (Low Range) 1.25-200 ppm
5M Sulfur Dioxide (Mid Range) 20-3,600 ppm
5LC Sulfur Dioxide (Low Range in CO₂) 0.1-25 ppm
35 Sulfuric Acid 0.5-5 mg/m³
122L Toluene 1-100 ppm
143 Vinyl Acetate (1) 5-250 ppm
6LP Water Vapor 3-100 lb/MMCF
6LLP Water Vapor 2-10 lb/

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