

Gastec Airtec Compressed Air Analysis Kits

Gastec "Airtec" system allows anyone to simply, quickly, and quantitatively measure the quality of their compressed breathing air. Easy to use, the "Airtec" system is an accurate and precise method for detecting carbon monoxide, carbon dioxide, oil mist, and water vapor. Gastec measures all four of the common contaminants in breathing air. With Airtec, the measurement is quick and simple and doesn't require user calibration.

Ordering Information

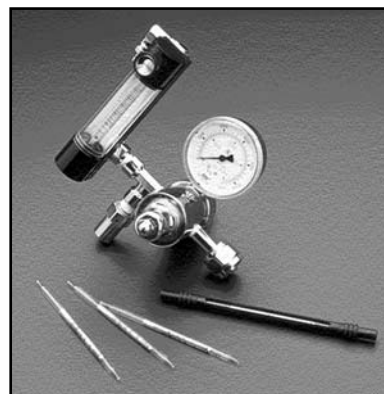
Part No. Description

General Purpose

STD-300 Standard Airtec kit
 STD-301 Deluxe Airtec kit

Airtec Kits - Contents

Part No.	Description	STD-300 Standard Kit	STD-301 Deluxe Kit
STD-300-R	Pressure reducing regulator	X	X
STD-300-M	Airtec operations manual	X	X
357	Rubber shroud tube holder	X	X
STD-300-1	Hard shell (Pelican type) case		X
1A	Box of carbon monoxide tubes		X
2A	Box of carbon dioxide tubes		X
6A	Box of water vapor tubes		X
6AG	Box of water vapor tubes		X
109A	Box of oil mist tubes		X



Detector Tubes - 10 Tubes Per Box		Measuring Range
1A	Carbon Monoxide	5-50 ppm
2A	Carbon Dioxide	250-3000 ppm
2AG	Carbon Dioxide	200-3000 ppm
6A	Water Vapor	30-80 mg/m3
6AG	Water Vapor	150-3000 mg/m3
6AH	Water Vapor	500-5000 mg/m3
109A	Oil Mist	0.3-1.5 mg/m3
109AD	Oil Mist	0.02-5.0 mg/m3

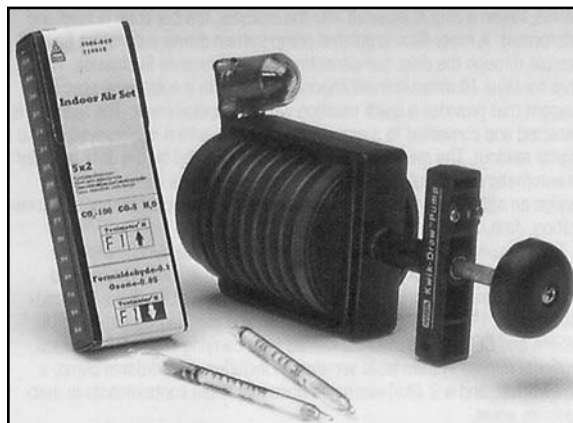
MSA Indoor Air Quality Kit

Guard workers against hazards in the air they breathe in office environments with this simple, inexpensive tool. Can be used by inexperienced users to accurately test for indoor air contaminants. Kit includes a Kwik-Draw Sampling Pump and two (2) boxes each of the following detector tubes: No. 803943 Carbon Monoxide (5-1000 ppm) No. 497606 Carbon Dioxide (100-3000 ppm), No. 497649 Formaldehyde (0.1-55 ppm), No. 804140 Ozone (0.05-5 ppm) and No. 655863 (10-100% RH) H₂O (relative humidity).

Ordering Information

Part No. Description

710981 Complete Kit with pump and tubes
 710918 Replacement set of ten (10) tubes



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 color 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 vapor 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 color. The reagent reacts quantitatively to provide a length-of-stain indication. The farther the color stain travels along the tube, the higher the concentration of gas. Note the calibration mark on the tube at the point where the color 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 meter
350A-10	Extension hose, 10 meter
350BP	Telescoping extension probe (up to 3 meters)
GV-100S-HB	Detector tube handbook
GV-100-2	Lubricant



Contact our Customer Service Department for a Complete Listing of all Gastec Detector Tubes

Notes:

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

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/m ³
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

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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) (Separate quantification)	1.25-120 ppm (H ₂ S tube) 0.25-20 ppm (SO ₂ tube)
45H	Hydrogen Sulfide + Sulfur Dioxide (Total quantification)	0.02-8%v
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 CO ₂)	0.1-25 ppm
35	Sulfuric Acid	0.5-5 mg/m ³
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/MMCF