

# Aerotest

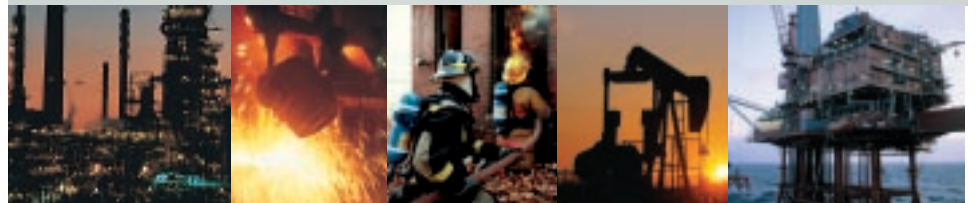
Accurate Measurement  
Made Easy

Fast

Accurate

Easy to Use

Proven Gas Detection



# Rapid Measurement



## Most Trusted

Draeger has been leading the way in safety for over 110 years.

### **Draeger: Leading Detection**

Since 1937, when we introduced our first detector tube, Draeger has been the world leader in the detection and analysis of gases and vapors in the industrial workplace. Our leading edge technology has kept us in the forefront of advancements in monitoring breathing air in the high and low pressure ranges.

Draeger developed the new Aerotest Simultan in response to customer demands for faster measurement of breathing air purity. The Aerotest Simultan Series has a new constant dosage pre-regulated manifold that enables it to detect various impurities simultaneously. This dosage technology has had proven results for decades in the medical industry.

### **Aerotest Innovation**

With the new Aerotest Simultan Series it is no longer necessary to set and readjust the flow. Easy and accurate evaluations can be made in just 5 minutes! The Aerotest Series Breathing Air Testers are durable and require little maintenance.



## For monitoring the quality of breathing air.

The quality of the breathing air can be tested in accordance to air purity standards by means of quantitative measurements of the contaminants, according to ANSI specifications. Standards such as CGA Grade D and E, DIN 3188, NFPA 1500, CSA Z180.1-M85 and EN12021 can be fulfilled.

### Quick-check

Measurement completion in 5 minutes

### With high accuracy

The purity of air from high and low pressure cylinders and compressor filling stations may be tested.

The Aerotest measuring device is provided with a quick disconnect for connection to either a pressure reducer or an air supply socket. Adapters are provided for connection to U.S. standard equipment.

All components of the Aerotest Series Breathing Air Testers are arranged in a transport case and ready for use.

## Aerotest Simultan HP

The Aerotest Simultan HP is the standard high pressure Aerotest simultaneous kit.



### Technical Data

#### Transport Case

Length 12 in (300 mm)  
Height 14 in (360 mm);  
Depth 3 in (80 mm)  
Weight approx 6.6 lbs (3 kg)

#### Supply Pressure

Maximum 4500 psi (300 bar)

#### Adapters

CGA 347 (female) connection to cylinder valve  
CGA 347 (male) connection to compressor/filling station (G 5/8" or INT)

#### Flow

0.2 L/min and 4.0 L/min

#### Detects Four Contaminants

Oil, CO<sub>2</sub>, CO, H<sub>2</sub>O Vapor

#### For Use By

Petro-Chemical Industry, Power Plants, Ship Industry, Gas Industry, Utilities, Fire Brigades, Industrial Hygienists, Manufacturing, Pharmaceutical Industry, Diving Industry

## Aerotest Simultan HP+P (Aerotest Navy)

The Aerotest Simultan HP+P (Aerotest Navy) is designed for the special demands of military applications. It is a new development in Aerotest technology.



### Technical Data

#### Transport case

Length 16 in (400 mm)  
Height 12 in (300 mm);  
Depth 3.4 in (91 mm)  
Weight approx 8.8 lbs (4 kg)

#### Supply Pressure

Maximum 4500 psi (300 bar)

#### Adapters

CGA 347 (female) connection to cylinder valve  
CGA 347 (male) connection to compressor/filling station (G 5/8" or INT)

#### Flow

0.2 L/min and 4.0 L/min

#### Detects Four Contaminants

Oil, CO<sub>2</sub>, CO, H<sub>2</sub>O Vapor

#### For Use By

Military, Diving Industry

## MultiTest Med. Gases

The MultiTest is used for monitoring the purity of medical gases in gas supply networks. It is a new development in Aerotest technology.



### Technical Data

#### Transport case

Length 16 in (400 mm)  
Height 12 in (300 mm);  
Depth 3.4 in (91 mm)  
Weight approx 6.6 lbs (3 kg)

#### Supply Pressure

Maximum 75 psi (5 bar)

#### Adapters

Oxygen quick-connect  
Air lock coupling

#### Flow

0.2 L/min and 4.0 L/min

#### Tests Five Compressed Gases

Compressed Air, Nitrous Oxide,  
Carbon Dioxide, Oxygen, Nitrogen

#### Detects Seven Contaminants

Oil, CO<sub>2</sub>, SO<sub>2</sub>, H<sub>2</sub>S, NO,  
CO, H<sub>2</sub>O Vapor

#### For Use By

Medical Industry and Hospitals,  
Gas Supply Industry, Chemical  
Industry, Pharmaceutical Industry

## Aerotest Simultan LP

The Aerotest LP is the standard low pressure Aerotest simultaneous kit.



### Technical Data

#### Transport case

Length 12 in (300 mm)  
Height 14 in (360 mm);  
Depth 3 in (80 mm)  
Weight approx 4.4 lbs (2 kg)

#### Supply Pressure

Maximum 150 psi (10 bar)

#### Flow

0.2 L/min and 4.0 L/min

#### Detects Four Contaminants

Oil, CO<sub>2</sub>, CO, H<sub>2</sub>O Vapor

#### For Use By

Military, Chemical Industry,  
Pharmaceutical Industry,  
Medical Industry and Hospitals,  
Food Industry, Power Plants,  
Consultants and Contractors,  
Offshore Industries, Paint  
Companies, Manufacturers

## Aerotest Level A

The Aerotest Level A is the basic low pressure compressed breathing air kit.



### Technical Data

#### Transport case

Length 15.5 in (395 mm)  
Height 12.5 in (320 mm)  
Depth 7.5 in (191 mm)  
Weight approx 7 lbs (3.2 kg)

#### Supply Pressure

Maximum 150 psi (10 bar)

#### Flow

0.2 L/min and 2.0 L/min

#### Detects Four Contaminants

Oil, CO<sub>2</sub>, CO, H<sub>2</sub>O Vapor

#### For Use By

Military, Pharmaceutical Industry,  
Food Industry, Environmental  
Engineering, Manufacturing,  
Medical Industry and Hospital,  
Power Plants, Consultants and  
Contractors, Offshore Industries,  
Paint Companies

# Air Quality Standards



## International Breathing Air Standards For Compressed Air

	Standard	Nominal pressure psi (Bar)	Water content mg/m <sup>3</sup>	Oil ppm (v) {ml/m <sup>3</sup> }	CO ppm (v) {ml/m <sup>3</sup> }	CO <sub>2</sub>	Compressed Dew Point
Europe	EN 12021	600-3000 (40 - 200) (compressed air tank)	< 50	< 0.5	< 15	< 500	5°C below est. operating temp.
		3000 (> 200) (compressed air tank)	< 35	< 0.5	< 15	< 500	5°C below est. operating temp.
		4500 (< 300) (compressor direct)	< 25	< 0.5	< 15	< 500	5°C below est. operating temp.
Great Britain	BS 4001	X	as dry as possible	1	10	500	X
USA	CGA Grade D	X	63 ppm	5	10	1000	-50° F
	CGA Grade E	X	63 ppm	5	10	500	-50° F
	NFPA 1500	X	24 ppm	5	10	1000	X
	Navy Standard	X	free of gross moisture	5	20	550	X
Canada	CSA Z1800.1-M85	X	PDPat 5° C below system	1	5	560	-63° F



### Backed by Superior Service

No safety system would be complete without Draeger's international service team. We're available around the clock to answer your questions and equip you with the knowledge you'll need to utilize your system to its full potential.

# Order Information

## Order Information

### Aerotest Kit Description

### Part#

#### Aerotest Level A (<=150 psi)

4054001

Includes: Deluxe Carrying Case, Quick-Disconnect Hose, Instruction Booklet, Deluxe Tube Opener, Tube Holder, Plowmeter, Timer and Draeger-Tubes®.

#### Aerotest Simultan LP (<=150 psi), complete

4056085

Includes: Deluxe Carrying Case, Instruction Booklet, Measuring Device for 4 Tubes, Quick-Connect Coupling, Deluxe Tube Opener, Timer and Draeger-Tubes®.

#### Aerotest Simultan LP (<=150 psi), without tubes

6525925

#### Aerotest Simultan HP (<= 4500 psi), complete

4055986

Includes: Deluxe Carrying Case, Instruction Booklet, Pressure Reducer, Measuring Device for 4 Tubes, CGA 347 Adapters, Deluxe Tube Opener, Timer and Draeger Tubes®.

#### Aerotest Simultan HP (<=4500 psi), without tubes

4056018

#### Aerotest Simultan HP + P (<=4500 psi), complete

4055987

Includes: Deluxe Carrying Case, Instruction Booklet, Pressure Reducer, Measuring Device for 4 Tubes, CGA 347 Adapters, Deluxe Tube Opener, Timer, accuro® Pump, accuro® Pump Spare Parts Kit and Draeger-Tubes®.

#### Aerotest Simultan HP + P (<=4500 psi), without tubes

6525970

#### MultiTest (<=75 psi), complete

4056181

Includes: Deluxe Carrying Case, Instruction Booklet, Measuring Device for 7 Tubes, Quick-Connect Coupling, Deluxe Tube Opener, Timer and Draeger-Tubes®.

#### MultiTest (<=75 psi), without tubes

6526098

### Accessories

Tube Holder

CH07000S

Deluxe Tube Opener

6400010

accuro® Pump

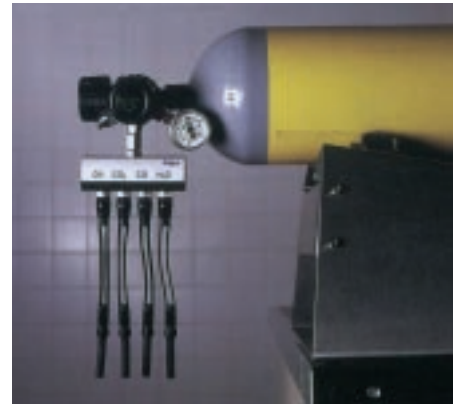
6400000

accuro® Pump Spare Parts Kit

6400220S

Each Aerotest Kit contains the following boxes of Draeger-Tubes® (unless otherwise indicated):

Part#	Description	Measuring Range
6728521	Carbon Dioxide 100/a-P	100-3,000 ppm
6728511	Carbon Monoxide 5/a-P	2.5-150 ppm
6728371	Oil 10/a-P "Level A, Simultan LP, Simultan HP and MultiTest Only"	0.1-10 mg/m <sup>3</sup>
8103111	Oil 10PN "Simultan HP + P Only"	5 mg/m <sup>3</sup>
6728531	Water Vapor 5/a-P,"Level A	20-120 mg/m <sup>3</sup>
8103061	Water Vapor 20/a-P "Simultan HP, Simultan HP + P, Multitest and Simultan LP"	20-120 mg/m <sup>3</sup>
CH29401	Nitrous Gases 0.5/a "MultiTest Only"	0.5-10 ppm
6728491	Sulphur Dioxide 0.5/a "MultiTest Only"	0.5-25 ppm
8101831	Hydrogen Sulphide 1/d "MultiTest Only"	1-200 ppm



## Get the Draeger Advantage

Call us or visit our web site for more information on our comprehensive line of respiratory protection and gas detection products and services.

The Draeger Quality System has been registered to ISO 9001.

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