



ST-4584-2005

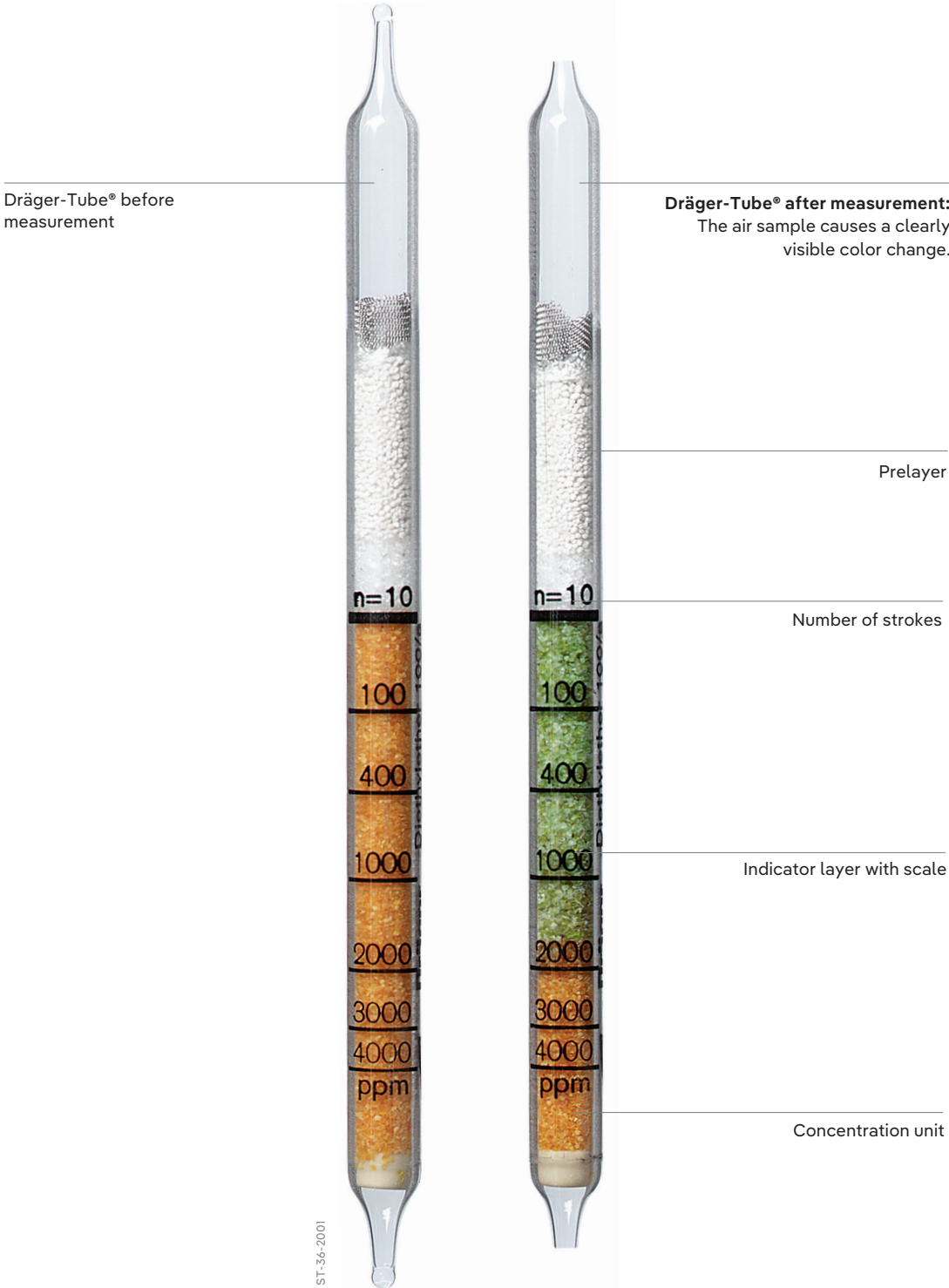
A laboratory behind glass

Dräger-Tubes®

Dräger

Technology for Life

Dräger-Tubes®



Dräger-Tubes® are used all over the world in many industries including oil and gas, petrochemical and chemical.



Dräger-Tubes® – a success story.

Dräger-Tubes® are an excellent example of a short-term gas measurement system – and not without good reason. For over eight decades, Dräger, a leading tube manufacturer, has developed its “laboratory behind glass”; and the more than 100 million tubes sold in the last ten years are testimony to the satisfaction of our customers.

Today, Dräger-Tubes® represent one of the classic forms of gas analysis. These versatile tubes make possible countless applications in industry, firefighting, disaster prevention, laboratory work, environmental protection and many other areas which require measurement results to be instantly available so that decisions can be made.

Especially in applications in which individual measurements or low measurement frequencies are sufficient, Dräger-Tubes® have certain advantages compared to electronic measurement equipment. They are comparatively inexpensive to purchase and very easy to use.

Dräger-Tubes® provide results immediately after measurement, so there is no need to send samples into a lab for analysis. There is also no need for calibration by the user – the calibration is shown in the form of a scale printed on the tube.

Currently, more than 220 short-term tubes are available for measuring up to 500 gases, and the number is growing year by year. New and more sensitive tubes are developed to meet changing environmental conditions, new legal regulations, falling limit values and special customer requirements. As far as new gases are concerned, the measurement system plays a pioneering role, and Dräger Safety is a trend-setter when it comes to developing new – even customer-specific – tubes.

The functional principle is amazingly simple

The Dräger-Tube, a sealed glass vial, contains on a solid carrier material a chemical reagent which reacts to a particular gas or vapor with a characteristic color change. To cause this reaction, a defined volume of ambient air is drawn through the tube using a Dräger-Tube® pump. Even small quantities of gas are sufficient, and the user can easily read and analyze the result using the scale marks printed on the tube.



D-8772-2009



ST-4570-2005

A best seller with good reason.

Dräger-Tubes®

- deliver a fast and reliable measurement result
- are easy to use, even with safety gloves
- are a great option for spot measurements
- perform their measurements without any power supply
- require no calibration prior to measurement
- offer an impressive level of cost effectiveness

Dräger Voice: for more detailed information

You can find additional information about hazardous substances at

https://www.draeger.com/en-us_us/Substances

Our Dräger VOICE database contains information about more than 1,600 hazardous substances. The relevant Dräger Safety products are referenced for determination of respiratory and gas detection capabilities. Once you have registered – which is quick and free of charge – you can take advantage of this online service at any time, day or night.

Knowledge in compact form

The Dräger-Tubes®/MicroTubes handbook is designed to keep you up-to-date with the latest information and our newest technology. It provides a complete overview of all available tubes and systems, their respective applications, and accessories.

Take advantage of our know-how. The range of services we offer – technical applications-related advice, seminars, measurements and analysis, and production of customer-specific tubes – goes far beyond a mere product portfolio.



D-112579-2013

Our Dräger-Tube® pump: making measurements a breeze.

Together with the Dräger short-term tubes the Dräger accuro® pump completes the system. The Dräger-Tube® system is robust, highly accurate, very low-maintenance, ready for use quickly and easy to operate.

Dräger-Tube® pump accuro®

Handy, reliable and easy to operate define the Dräger accuro®. Because this one-hand pump works without a power supply, it can be used virtually anywhere including potentially explosive areas.* The sturdy and robust accuro® pump can be easily operated using only one hand and is therefore suitable for conducting measurements at places which are difficult to access. The end of each stroke is clearly indicated.



ST-4404-2005



Dräger accuro®
Manual pump for use
with all Dräger short-
term tubes



Extension hose
Remote sampling
with Dräger-Tubes®



Prepared for many applications with the right accessories.

Intelligent accessories help you perform reliable measurements, even under many extreme conditions. With our proven solutions, you can be well prepared for many applications.

A perfect fit: The extension tube

For measurements at difficult to reach areas, such as ducts, shafts or tanks, extension hoses of up to 15 meters (49 feet) in length for the Dräger accuro® and up to 30 meters (98 feet) in length for the Dräger X-act® 5000 are available. The extension hose is fitted with a tube holder at the free end of the hose. This means that measurements are possible without flushing of the dead space volume of the hose.

Testing hot flue gases: The hot-air probe

The hot air probe allows you to measure extremely hot gases, e.g. in combustion plants. This probe should be used whenever the temperature range indicated in the instructions for use for the particular Dräger-Tube® is exceeded. The probe, which is connected by a rubber hose to the tube, cools the gas to temperatures below 50 °C (122 °F).

Cutting edge: The Dräger TO 7000

No bigger than a pencil sharpener, the Dräger TO 7000 opens the glass tip so cleanly that no jagged edges remain on the tube. Simply insert the tube, twist it, and you are ready for measurement. With the white measurement scale printed on the Dräger TO 7000, you have a light background for easy readability.

Warmth without power: The hot-pack holder

Freezing temperatures down to -20 °C (-4 °F) are no problem for the “tube warmer”, which requires no electrical power supply. The Dräger Hot-Pack Holder allows Dräger-Tubes® to be used even at certain ambient temperatures below the limits stated in the instructions for use. Extremely cost effective (the tube warmers can be used several hundred times) and easy to use, the Dräger Hot-Pack Holder is the ideal companion when working at below freezing temperatures.



Dräger TO 7000
For safe and easy opening of your Dräger-Tubes®



Hot-Pack Holder for Dräger-Tubes®
For measurements even at certain below-zero temperatures



Hot Air Probe
For hot flue gas measurements



ST-5933-2004



ST-6057-2004

We've done the packing for you: complete Aerotest® Systems and Simultaneous Test.

Dräger Safety has developed a range of measurement systems to meet the requirements of your different applications, and put them together as complete sets. The Dräger-Tube® kits deliver fast and efficient results.



Dräger Aerotest® systems



Measuring device for oil, CO₂, CO and H₂O

Checking air quality with Dräger Aerotest® systems

Every day, fire brigade, healthcare and diving professionals rely on compressed air analysis from Dräger Safety. With more than 100 years of experience in this area, we provide measurement technology at a high level. Our Dräger Aerotest® family helps to promote safety during the measurement of compressed gases.

The Dräger Aerotest® system is used to check the quality of the air we breathe. Before compressed air can be used as breathing air, it must meet rigorous quality requirements such as those contained in the EN 12 021 standard, the U.S. Compressed Gas Association and the European Pharmacopoeia. Specially calibrated Dräger-Tubes®, Dräger oil impactor and the Dräger Aerotest® can be used to detect typical impurities in compressed breathing air quickly and reliably, e.g. CO, CO₂, humidity and oil. Besides breathing air, oxygen and carbon dioxide can also be analyzed very quickly for purity or for compliance with specific regulations. The Dräger Aerotest® Simultaneous Test allows parallel measurement of up to seven different contaminants, with results available in just five minutes. The Dräger Aerotest® Simultaneous Test is compact in design and can be connected to standard compressors, compressed air lines and cylinders using standard tools.

A wide selection of Aerotest® systems is available for checking compressed gases for purity. We have put the sets together for you in a handy case.

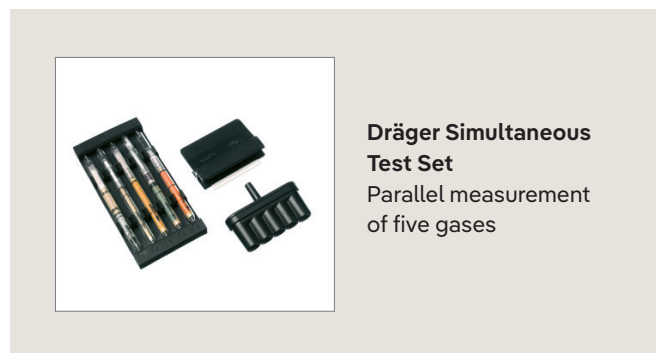


ST-1670-2004

Dräger simultaneous test sets save valuable time in hazardous situations

Before you can take specific action to protect personnel and property, you need specific information about the hazard. Air contamination, e.g. from hazardous waste sites, fires, chemical or transport accidents, poses particular challenges. When it is important for you to track down multiple gas hazards as quickly as possible, the Dräger Simultaneous Test Sets are multi-gas detectors which help provide a fast basis for reliable decision-making – right on-site.

Dräger Simultaneous Test Sets comprise five Dräger-Tubes® arranged in parallel in a rubber sleeve. Via an adapter, the air to be tested is drawn through all the tubes simultaneously using the gas detector pump. The concentration of gases to be measured can be seen from markings on the tubes, which range from “non-hazardous” to “extremely hazardous”. We have developed three Simultaneous Test Sets for specialized applications such as fires or accidents involving hazardous goods transports: the Dräger Simultaneous Test Sets I and II for the measurement of inorganic fumes, and set III for the measurement of organic vapors. In addition, there are six other Dräger Simultaneous Test Sets available in conjunction with an adapter and the Dräger-Tube® pump for all kinds of different applications.



Dräger Simultaneous Test Set
Parallel measurement of five gases

All Dräger-Tubes® at a Glance



- 1) Tubes must ship motor freight
 - 2) Tubes with 6-12 months shelf life
 - 3) Tubes with two scales
- (x) Indicates less than 10 tests (5, 8 or 9 tests)

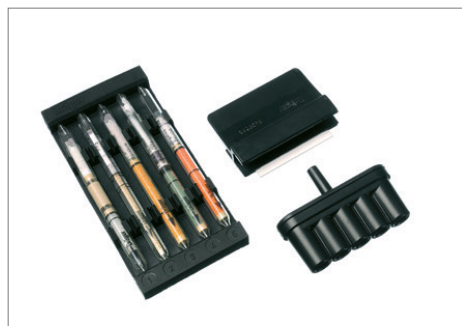
Dräger-Tubes®	Standard Range of Measurement (20 °C (68 °F), 1,013 hPa)	Measurement Time (min.)	Order Code
Acetaldehyde 100/a	100 – 1,000 ppm	5	6726665
Acetic Acid 5/a	5 – 80 ppm	30 s	6722101
Acetone 40/a (5)	40 – 800 ppm	1	8103381
Acetone 100/b	100 – 12,000 ppm	4	CH22901
Acid Test	qualitative	3 s	8101121
Acrylonitrile 0.2/a	5 – 50 ppm 0.2 – 4 ppm	1 4	8103701 ³
Amine-Test	qualitative	5 s	8101061
Ammonia 0.25/a	0.25 – 3 ppm	1	8101711
Ammonia 2/a	2 – 30 ppm	1	6733231
Ammonia 5/a	5 – 70 ppm 50 – 700 ppm	1 6 s	CH20501 ³
Ammonia 5/b	5 – 100 ppm	10 s	8101941
Ammonia 0.5 %/a	0.5 – 10 Vol.-%	20 s	CH31901
Aniline 0.5/a	0.5 – 10 ppm	4	6733171
Aniline 5/a	1 – 20 ppm	3	CH20401
Arsine 0.05/a	0.05 – 3 ppm	6	CH25001
Benzene 0.25/a	0.25 – 2 ppm 2 – 10 ppm	5 1	8103691 ³
Benzene 2/a (5)	2 – 60 ppm	8	8101231
Benzene 5/a	5 – 40 ppm	3	6718801
Benzene 5/b	5 – 50 ppm	8	6728071
Benzene 15/a	15 – 420 ppm	4	8101741
n-Butanol	10 – 250 ppm 250 – 2000 ppm	6 1	8103861 ³
BTX (Toluene 5/b)	50 – 300 ppm	1	8101661
Carbon Dioxide 100/a	100 – 3,000 ppm	4	8101811
Carbon Dioxide 0.1 %/a	0.5 – 6 Vol.-% 0.1 – 1.2 Vol.-%	30 s 2.5	CH23501 ³
Carbon Dioxide 0.5 %/a	0.5 – 10 Vol.-%	30 s	CH31401
Carbon Dioxide 1 %/a	1 – 20 Vol.-%	30 s	CH25101
Carbon Dioxide 5 %/A	5 – 60 Vol.-%	2	CH20301
Carbon Disulphide 3/a	3 – 95 ppm	2	8101891 ²
Carbon Disulphide 5/a	5 – 60 ppm	3	6728351
Carbon Disulphide 30/a	0.1 – 10 mg/L	1	CH23201
Carbon Monoxide 2/a	2 – 60 ppm 25 – 300 ppm	4	6733051 ³
Carbon Monoxide 5/c	100 – 700 ppm 5 – 150 ppm	30 s 2.5	CH25601 ³
Carbon Monoxide 8/a	8 – 150 ppm	2	CH19701
Carbon Monoxide 10/b	100 – 3,000 ppm 10 – 300 ppm	20 s 4	CH20601 ³
Carbon Monoxide 0.3%/b	0.3 – 7 ppm	30 s	CH29901 ²
Carbon Pretube			CH24101
Respiratory CO Test Kit (5)			CH00270
Carbon Tetrachloride 0.1/a	0.1 – 5 ppm	2.5	8103501
Carbon Tetrachloride 1/a	1 – 15 ppm	10	8101021 ³

Dräger-Tubes®	Standard Range of Measurement (20 °C (68 °F), 1,013 hPa)	Measurement Time (min.)	Order Code
Chlorine 0.2/a	0.2 – 3 ppm 3 – 30 ppm	3 30 s	CH24301 ³
Chlorine 50/a	50 – 500 ppm	20 s	CH20701
Chlorine Dioxide 0.025/a specific	0.025 – 0,1 ppm	7.5	8103491 ³
	0,1 – 1 ppm	2.5	
Chlorobenzene 5/a (5)	5 – 200 ppm	3	6728761
Chloroform 2/b (5)	2 – 10 ppm	9	6728861 ²
	20 – 80 ppm	3	
Chloroformates 0.2/b	0.2 – 10 ppm	3	6718601
Chloromethane 10/a	10 – 100 ppm	4	8103911
Chloroprene 5/a	5 – 60 ppm	3	6718901
Chloropicrin 0.1/a	0.1 – 2 ppm	7.5	8103421
Chromic Acid 0.1/a (9)	0.1 – 0.5 mg/m ³	8	6728681
Cyanide 2/a	2 – 15 mg/m ³	2	6728791 ²
Cyanogen Chloride 0.25/a	0.25 – 5 ppm	5	CH19801
Cyclohexane 40/a	40 – 200 ppm	75 s	8103671 ³
	300 – 3,000 ppm	15 s	
Cyclohexylamine 2/a	2 – 30 ppm	4	6728931
Diesel Fuel	25 – 200 mg/m ³	2.5	8103475 ²
Diethyl Ether 100/a	100 – 4,000 ppm	3	6730501
Dimethyl Formamide 10/b	10 – 40 ppm	3	6718501
Dimethyl Sulphate 0.005/c (9)	0.005 – 0.05 ppm	50	6718701
Dimethyl Sulphide 1/a (5)	1 – 15 ppm	15	6728451
Epichlorohydrin 5/b	5 – 50 ppm	8	6728111
Ethanol 100/a	100 – 3,000 ppm	1.5	8103761
Ethyl Acetate 200/a	200 – 3,000 ppm	5	CH20201
Ethyl Benzene 30/a	30 – 400 ppm	2	6728381
Ethylene 0.1/a (5)	0.2 – 5 ppm	30	8101331
Ethylene 50/a	50 – 2,500 ppm	6	6728051
Ethylene Glycol 10 (5)	10 – 180 mg/m ³	7	8101351
Ethylene Oxide 1/a (5)	1 – 15 ppm	8	6728961
Ethylene Oxide 25/a	25 – 500 ppm	6	6728241
Fluorine 0.1/a	0.1 – 2 ppm	5	8101491
Formaldehyde 0.2/a	0.2 – 2.5 ppm	3	6733081 ³
	0.5 – 5 ppm	1.5	
Activation Tube for use in conjunction with Formaldehyde 0.2/a tube			8101141
Formaldehyde 2/a	2 – 40 ppm	30 s	8101751
Formic Acid 1/a	1 – 15 ppm	3	6722701
Halogenated Hydrocarbons 100/a (8)	100 – 2,600 ppm	1	8101601 ¹
Hexane 10/a	10 – 200 ppm	5	8103681 ³
	300 – 2,500 ppm	1	
Hydrazine 0.01/a	0.5 – 6 ppm	1	8103351 ³
	0.01 – 0.4 ppm	20	
Hydrazine 0.25/a	0.25 – 10 ppm	1	CH31801 ³
	0.1 – 5 ppm	2	
Hydrocarbon 2/a	2 – 24 mg/L	5	8103581
Hydrocarbon 0.1 %/c	0.1 – 1.3 Vol.-%	2	8103571
Hydrochloric Acid 0.2/a	0.2 – 3 ppm	2	8103481 ³
	3 – 20 ppm	40 s	
Hydrochloric Acid 1/a	1 – 10 ppm	2	CH29501
Hydrochloric Acid 50/a	500 – 5,000 ppm	30 s	6728181 ³
	50 – 500 ppm	4	
Hydrochloric Acid /Nitric Acid 1/a – Hydrochloric Acid – Nitric Acid	1 – 10 ppm	1.5	8101681 ³
	1 – 15 ppm	3	
Hydrocyanic Acid 0.5/a	0.5 – 5 ppm	10	8103601 ³
	5 – 50 ppm	2	
Hydrogen 0.2 %/a	0.2 – 2.0 Vol.-%	1	8101511
Hydrogen 0.5 %/a	0.5 – 3.0 Vol.-%	1	CH30901
Hydrogen Fluoride 0.5/a	0.5 – 15 ppm	2	8103251 ³
	10 – 90 ppm	25 s	

Dräger-Tubes®	Standard Range of Measurement (20 °C (68 °F), 1,013 hPa)	Measurement Time (min.)	Order Code
Hydrogen Fluoride 1.5/b	1.5 – 15 ppm	2	CH30301
Hydrogen Peroxide 0.1/a	0.1 – 3 ppm 1 ppm (single mark)	3	8101041 ³
Hydrogen Sulphide 0.2/a	0.2 – 5 ppm	5	8101461
Hydrogen Sulphide 0.2/b	0.2 – 6 ppm	55 s	8101991
Hydrogen Sulphide 0.5/a	0.5 – 15 ppm	6	6728041 ³
Hydrogen Sulphide 1/c	10 – 200 ppm 1 – 20 ppm	20 s 3	6719001 ³
Hydrogen Sulphide 1/d	10 – 200 ppm 1 – 20 ppm	1 10	8101831 ³
Hydrogen Sulphide 2/a	20 – 200 ppm 2 – 20 ppm	20 s 3.5	6728821 ³
Hydrogen Sulphide 2/b	2 – 60 ppm	30 s	8101961
Hydrogen Sulphide 5/b	5 – 60 ppm	4	CH29801
Hydrogen Sulphide 100/a	100 – 2,000 ppm	30 s	CH29101
Hydrogen Sulphide 0.2 %/A	0.2 – 7 Vol.-%	2	CH28101
Hydrogen Sulphide 2 %/a	2 – 40 Vol.-%	1	8101211
Simultan. Tube H2S + SO2 0.2 %/a	0.2 – 7 Vol.-%	2	CH28201
Iodine 0.1/a	1 – 5 ppm 0.1 – 0.6 ppm	1 5	8103521 ³
Mercaptan 0.1/a	0.1 – 25 ppm 3 – 15 ppm	3 40 s	8103281 ³
Mercaptan 0.5/a	0.5 – 5 ppm	5	6728981
Mercaptan 20/a	20 – 100 ppm	2.5	8101871
Mercury Vapor 0.1/b	0.05 – 2 mg/m ³	10	CH23101
Methanol 20/a	20 – 250 ppm 200 – 5,000	6 2	8103801 ³
Methyl Acrylate 5/a	5 – 200 ppm	5	6728161
Methyl Bromide 0.1/a	0.1 – 5 ppm 5 – 50 ppm	5 1	3706301 ³
Methylene Chloride 20/a	20 – 200 ppm	7	8103591 ²
Natural Gas Odorization, Tertiary Butylmercaptan	3 – 15 mg/m ³ 1 – 10 mg/m ³	3 5	8103071
Natural Gas Test (5)	qualitative	40 s	CH20001 ²
Nickel Tetracarbonyl 0.1/a (9)	0.1 – 1 ppm	5	CH19501
Nitric Acid 1/a	5 – 50 ppm 1 – 15 ppm	2 4	6728311 ³
Nitrogen Dioxide 0.1/a	0.1 – 5 ppm 5 – 30 ppm	75 s 30 s	8103631 ³
Nitrogen Dioxide 2/c	5 – 100 ppm 2 – 50 ppm	1 2	6719101 ³
Nitrous Fumes 0.2/a	0.2 – 6 ppm	75 s	8103661
Nitrous Fumes 2/a	2 – 50 ppm 5 – 150 ppm	2 1	CH31001 ³
Nitrous Fumes 20/b	20 – 500 ppm	30 s	3706171
Nitrous Fumes 50/b	50 – 1,000 ppm 2,000 – 4,000 ppm	2 1	8103941 ³
Oil 10/a-P	0.1 – 1 mg/m ³	25	6728371
Oil Mist 1/a	1 – 10 mg/m ³	25	6733031
Olefine 0.05%/a	0.06 – 3.2 Vol.-%	5	CH31201
Organ. Arsenic Compounds and Arsine	0.3 mg/m ³ as AsH ₃	3	CH26303
Organic Basic Nitrogen Compounds	1 mg/m ³ threshold value	1.5	CH25903
Oxygen 5 %/C	5 – 23 Vol.-%	1	8103261
Ozone 0.05/b	0.05 – 0.7 ppm	3	6733181

Dräger-Tubes®	Standard Range of Measurement (20 °C (68 °F), 1,013 hPa)	Measurement Time (min.)	Order Code
Ozone 10/a	20 – 300 ppm	20 s	CH21001
Pentane 100/a	100 – 1,500 ppm	15 s	6724701
Perchloroethylene 0.1/a	0.5 – 4 ppm	3	8101551 ⁵
	0.1 – 1 ppm	9	
Perchloroethylene 2/a	20 – 300 ppm	30 s	8101501 ⁵
	2 – 40 ppm	3	
Petroleum Hydrocarbons 10/a	10 – 300 ppm	1	8101691
Petroleum Hydrocarbons 100/a	100 – 2,500 ppm	30 s	6730201
Phenol 1/b	1 – 20 ppm	5	8101641
Phosgene 0.02/a	0.02 – 1 ppm	6	8101521 ⁵
	0.02 – 0.6 ppm	12	
Phosgene 0.25/c	0.25 – 5 ppm	1	CH28301
Phosphine 0.01/a	0.1 – 1 ppm	2.5	8101611 ⁵
	0.01 – 0.3 ppm	8	
Phosphine 0.1/c	0.5 – 3 ppm	1	8103711 ⁵
	0.1 – 1.0 ppm	2.5	
Phosphine 0.1/b in Acetylene	1 – 15 ppm	20 s	8103341 ⁵
	0.1 – 1 ppm	4	
Phosphine 1/a	20 – 100 ppm	2	8101801 ⁵
	1 – 20 ppm	10	
Phosphine 25/A	200 – 10,000 ppm	1.5	8101621 ⁵
	25 – 900 ppm	13	
Phosphine 50/a	50 – 1,000 ppm	2	CH21201
Phosphoric Acid Ester 0.05/a	0.05 ppm	5	6728461
Polytest	qualitative	1.5	CH28401
Pyridine 5/A	5 ppm	20	6728651
Styrene 10/a	10 – 200 ppm	3	6723301
Styrene 10/b	10 – 250 ppm	3	6733141
Styrene 50/a	50 – 400 ppm	2	CH27601
Sulphur Dioxide 0.1/a	0.1 – 3 ppm	20	6727101
Sulphur Dioxide 0.5/a	1 – 25 ppm	3	6728491 ⁵
	0.5 – 5 ppm	6	
Sulphur Dioxide 1/a	1 – 25 ppm	3	CH31701
Sulphur Dioxide 20/a	20 – 200 ppm	3	CH24201
Sulphur Dioxide 50/b	400 – 8,000 ppm	15 s	8101531 ⁵
	50 – 500 ppm	3	
Sulphuric Acid 1/a (9)	1 – 5 mg/m ³	100	6728781
Sulfuryl Fluoride 1/a (5)	1 – 5 ppm	3	8103471 ¹
Tertiary Butylmercaptan Natural Gas Odorization	3 – 15 mg/m ³	3	8103071 ⁵
	1 – 10 mg/m ³	5	
Tetrahydrothiophene 1/b (5)	1 – 10 ppm	15	8101341 ⁵
	4 – 40 mg/m ³	10	
Thioether	1 mg/m ³ threshold value	1.5	CH25803
Toluene 5/b	50 – 300 ppm	2	8101661 ⁵
	5 – 80 ppm	10	
Toluene 50/a	50 – 400 ppm	1.5	8101701
Toluene 100/a	100 – 1,800 ppm	1.5	8101731
Toluene Diisocyanate 0.02/A (9)	0.02 – 0.2 ppm	20	6724501
Trichloroethane 50/d (5)	50 – 600 ppm	2	CH21101
Trichloroethylene 2/a	20 – 250 ppm	1.5	6728541 ⁵
	2 – 50 ppm	2.5	
Trichloroethylene 50/a	50 – 500 ppm	1.5	8101881
Triethylamine 5/a	5 – 60 ppm	3	6718401
Vinyl Chloride 0.5/b	5 – 30 ppm	30 s	8101721 ⁵
	0.5 – 5 ppm	3	
Vinyl Chloride 100/a	100 – 3,000 ppm	4	CH19601
Water Vapor 0.1	1 – 40 mg/L	2	CH23401
Water Vapor 0.1/a	0.1 – 1.0 mg/L	1.5	8101321
Water Vapor 1/b	20 – 40 mg/L	20 s	8101781 ⁵
	1 – 18 mg/L	40 s	
Water Vapor 3/a	3 – 60 lbs/MMcf	1.5	8103031
Xylene 10/a	10 – 400 ppm	1	6733161

Dräger Simultaneous Test Sets



	Standard Range of Measurement (20 °C (68 °F), 1,013 hPa)	Measurement Time (min.)	Order Code
Dräger Simultaneous Test Set I	Inorganic Gases for Sets I and II	40 s	8101735
Dräger Simultaneous Test Set II	Inorganic Gases for Sets I and II	40 s	8101736
Dräger Simultaneous Test Set III	Organic Vapors for Set III	40 s	8101770
Dräger Simultaneous Test Set Indicator Substances	VfdB 10/01	2	8103170
Dräger Clandestine Labtest-Set	Solvents	1	8103310
Simultaneous Test Set Fumigation I	Fumigants	3	8103410
Simultaneous Test Set Fumigation II	Fumigants	4	8103380
Adapter Dräger Simultaneous Test Set, consisting of cutting holder and adapter			6400090
Connector for use with Fumigation II, 8103380			8318110

Dräger Simultaneous Test Sets



Dräger-Tubes®	Standard Range of Measurement (20 °C (68 °F), 1,013 hPa)	Standard Range of Meas. for max. Period of Use(20° C (68 °F), 1,013 hPa)	Order Code
Holder for Dräger-Diffusion-Tubes (pack of 3)			6733014
Ammonia 20/a-D	20 - 1,500 ppm	2.5 - 200 ppm	8101301
Butadiene 10/a-D	10 - 300 ppm	1.3 - 40 ppm	8101161
Nitrogen Dioxide 10/a-D	10 - 200 ppm	1.3 - 25 ppm	8101111

Dräger-Tubes® Pumps and Systems and Accessories for Short-Term Measurement



	Order Code
Dräger-Tube® Pump accuro® with Tube opener Dräger TO 7000	6400000
Soft-Side accuro® Pump Kit consists of: Dräger-Tube® Pump accuro® with Tube Opener, spare parts set for Dräger accuro®, nylon carrying case	8317186
Hard-side accuro® Pump Kit, consists of: Dräger-Tube® Pump accuro® with Tube Opener, spare parts set for Dräger accuro®, rubber caps, rigid carrying case	4056443
Spare parts set Dräger accuro®	6400220

Dräger X-act® 5000 Basic Accessories

	Order Code
Power packs	
Rechargeable battery NiMH, T4	4523520
Charging accessories	
Wall-Wart Charger 100 – 240 VAC (worldwide)	4523545
Car charger 12 / 24 V	4523511
Accessories	
SO ₂ Filter replacement	8103525
Shoulder strap	4523565
Resistant tube (Dosage)	6527562
Hoses	
Extension hose, Dräger accuro® & Dräger X-act® 5000, 1 m, incl. adapter for Simultaneous Test Set	6400561
Extension hose, Dräger accuro® & Dräger X-act® 5000, 3 m, incl. adapter for tubes, adapter for hose in a carrying box	6400077
Extension hose, Dräger accuro® & Dräger X-act® 5000, 10 m, incl. adapter for tubes, adapter for hose	6400078
Extension hose, Dräger accuro® & Dräger X-act® 5000, 15 m, incl. adapter for tubes, adapter for hose	6400079
Extension hose, Dräger X-act® 5000, 30 m, incl. adapter for tubes, adapter for hose	6401175
Accessories	
Tube opener Dräger TO 7000	6401200
Tube hot pack holder for usage up to 20 °C, incl. adapter and 2 hot packs	8316130
Replacement hot packs (2 pieces)	8316139
Hot air probe for analyzing emissions of combusting plants	CH00213
Bar Probe 400 for examination of fumigants in containers	8317188

Dräger Aerotest



	Order Code
Dräger Aerotest® Simultan HP, complete incl. Dräger-Tubes®	6525990
Dräger Aerotest® Alpha, complete incl. Dräger-Tubes®	6527150
Dräger MultiTest med. Int., complete incl. Dräger-Tubes®	6520260
Dräger SimultanTest CO ₂ , complete incl. Dräger-Tubes®	6526170

Dräger-Tubes® for Application with Dräger Aerotest®

	Standard Range of Measurement (20 °C (68 °F), 1,013 hPa)	Order Code
Ammonia 2/a for use in CO ₂	0.6 – 9 ppm	6733231
Impactor for measurement of oil mist in compressed air	0.1 – 1.0 mg/m ³	8103560
Adapter for Dräger Oil Impactor		8103557
Carbon dioxide 100/a-P	100 – 3,000 ppm	6728521
Carbon monoxide 5/a-P	5 – 150 ppm	6728511
Nitrous Fumes 0.2/a for use in MultiTest med. Int. / Aerotest® CO ₂	0.2 – 6 ppm 5 – 30 ppm	8103661
Oil 10/a-P	0.1 – 1 mg/m ³	6728371
Phosphine 0.1/c for use in Aerotest® CO ₂	0.1 – 4 ppm	8103711
Sulphur Dioxide 0.5/a for use in MultiTest med. Int.	1 – 25 ppm 0.25 – 1 ppm	6728491
Sulphur Dioxide 1/a for use in MultiTest med. Int. / Aerotest® CO ₂	0.5 – 2 ppm	CH31701
Hydrogen Sulphide 0.2/a for use in Aerotest® CO ₂	0.04 – 1 ppm	8101461
Hydrogen Sulphide 1/d for use in MultiTest med. Int.	1 – 20 ppm	8101831
Water Vapor 5/a-P	5 – 200 mg/m ³	6728531
Water Vapor 20/a-P	20 – 250 mg H ₂ O/m ³ 35 – 500 mg H ₂ O/m ³ 150 – 1500 mg H ₂ O/m ³	8103061

H₂O 20/a-P is supplied in the complete kits

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