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Dräger-Tubes® & accuro® Pump

Ever since 1937 when we introduced our first detector tube, Dräger has been the world leader in the analysis of gases and vapors in the industrial workplace. Over the years we have developed more tubes and detection devices for more applications than anyone else!



Our leading edge technology has kept us on the forefront of colorimetric detector tubes thus providing the most accurate and specific results available.

ACCURATE

Not all detector tubes are created equal! DrägerTubes® with the accuro® pump deliver the most accurate results. Many DrägerTubes® offer a +/- 10% standard deviation on the results. This is a result of our 70+ years of manufacturing colorimetric tubes and the consistent volume delivered by the bellows pump design. Quality assurance is accomplished by individually calibrating each batch of DrägerTubes®. Then every batch is tested at regular intervals, throughout the two year shelf life, to guarantee accuracy over the entire life of the tubes.

EASY TO READ

See the difference for yourself! The wider diameter of the DrägerTubes® makes it easier to read. Well-spaced graduation marks enable distinct and decisive measurement results. Color changes to the reagents are well defined over the entire length of the stain. Many tubes offer a dual calibrated scale so that you can interpret the results without using multiplication factors.

FAST

One stroke tubes are not always faster! Though many DrägerTubes® require more than one stroke, they often provide measurement results in less time. Not only do you get the benefit of a quicker analysis, the larger sample volume provides better statistical accuracy.

FLEXIBLE

DrägerTubes® simply deliver more! More gases and more measuring ranges than any other manufacturer. Dräger offers over 200 tubes for accurately measuring over 500 different gases. You can measure ambient air for health and safety levels and optional equipment allows you to measure stack gases, motor vehicle exhaust components, pressurized gas line samples and contaminants in compressed air and other technical gases. Other specialized tubes measure over a period of hours or a complete work shift to indicate daily exposure levels.

SPECIFIC

Reagents used in DrägerTubes® are chosen to provide not only the most accurate, but also most specific results possible. Our use of prelayers on many tubes (like benzene) remove other potential interfering gases (e.g. aromatic hydrocarbons) so you measure only the targeted chemical, getting only the results you want. This design enables you to measure specific gases in a complex ambient background found in the measurement area.



Most Trusted DrägerTubes® have been leading the way in gas detection for over 70 years.

WHAT IS THE DRAEGER-TUBE® SYSTEM?

DrägerTubes® are glass vials filled with a chemical reagent that reacts to a specific chemical or family of chemicals. A calibrated 100 ml sample of air is drawn through the tube with the Dräger accuro® bellows pump. If the targeted chemical(s) is present the reagent in the tube changes color and the length of the color change typically indicates the measured concentration. The DrägerTubes® System is the world's most popular form of gas detection.

DRÄGER SHORT-TERM DETECTION TUBES

Dräger-Tube®	Measuring Range	Part No.
Acetaldehyde 100/a	100-1,000 ppm	67 26 665
Acetic Acid 5/a	5-80 ppm	67 22 101
Acetone 40/a	40-800 ppm	81 03 381
Acetone 100/b	100-12,000 ppm	CH 22 901
Acid Test	Qualitative	81 01 121
Acrylonitrile 0.5/a (5)	0.5-20 ppm	67 28 591
Air Current Tube Kit		40 54 388
Air Current Tubes		CH 25 301
Alcohol 25/a	50-4,000 ppm Isopropanol 25-5,000 ppm Methanol	81 01 631
Alcohol 100/a	100-3,000 ppm	CH 29 701
Amine Test	Qualitative	81 01 061
Ammonia 0.25/a	0.25-3 ppm	81 01 711
Ammonia 2/a	2-30 ppm	67 33 231
Ammonia 5/b	2.5-100 ppm	81 01 941
Ammonia 5/a	**5-700 ppm**	**CH 20 501**
Ammonia 0.5%/a	0.05-10 Vol.%	CH 31 901
Aniline 0.5/a	0.5-10 ppm	67 33 171
Aniline 5/a	1-20 ppm	CH 20 401
Arsine 0.05/a	0.05-60 ppm	CH 25 001
Benzene 0.5/a	0.5-10 ppm	67 28 561
Benzene 0.5/c (5) specific	0.5-10 ppm	81 01 841
Benzene 2/a (5)	2-60 ppm	81 01 231
Benzene 5/b	5-50 ppm	67 28 071
Benzene 15/a	15-420 ppm	81 01 741
Carbon Dioxide 100/a	100-3,000 ppm	81 01 811
Carbon Dioxide 0.1%/a	**0.1-6 Vol.%**	**CH 23 501**
Carbon Dioxide 0.5%/a	0.5-10 Vol.%	CH 31 401
Carbon Dioxide 1%/a	1-20 Vol.%	CH 25 101
Carbon Dioxide 5%/A	5-60 Vol.%	CH 20 301
Carbon Disulfide 3/a	3-95 ppm	81 01 891
Carbon Disulfide 30/a	32-3,200 ppm	CH 23 201
Carbon Monoxide 2/a	2-300 ppm	67 33 051
Carbon Monoxide 5/c	**5-700 ppm**	**CH 25 601**
Carbon Monoxide 8/a (only for CO in H_2)	8-150 ppm	CH 19 701
Carbon Monoxide 10/b	10-3,000 ppm	CH 20 601
Carbon Monoxide 10/d	10-3,000 ppm	81 03 321
Carbon Monoxide 0.3%/b	0.3-7 Vol.%	CH 29 901
Carbon Pretubes		CH 24 101
Carbon Tetrachloride 0.1/a	0.1-5 ppm	81 03 501
Carbon Tetrachloride 1/a (5)	1-15 ppm	81 01 021
Carbon Tetrachloride 5/c	5-50 ppm	CH 27 401
Chlorine 0.2/a	0.2-30 ppm	CH 24 301
Chlorine 0.3/b	0.3-10 ppm	67 28 411
Chlorine 50/a	50-500 ppm	CH 20 701
Chlorine Dioxide 0.025/a	0.025-3 ppm	81 03 491

Dräger-Tube®	Measuring Range	Part No.
Chlorobenzene 5/a (5)	5-200 ppm	67 28 761
Chloroform 2/a (5)	2-10 ppm	67 28 861
Chloroformates 0.2/b	0.2-10 ppm	67 18 601
Chloropicrin 0.1/a	0.1-2 ppm	81 03 421
Chloroprene 5/a	5-60 ppm	67 18 901
Chromic Acid 0.1/a (9)	0.1-0.5 mg/m³	67 28 681
Cyanide 2/a	2-15 mg/m³	67 28 791
Cyanogen Chloride 0.25/a	0.25-5 ppm	CH 19 801
Cyclohexane 100/a	100-1,500 ppm	67 25 201
Cyclohexylamine 2/a	2-30 ppm	67 28 931
Dichloropropene 0.1/a	0.1-10 ppm	81 03 551
Diesel Fuel	25-200 mg/m³	81 03 475
Diethyl Ether 100/a	100-4,000 ppm	67 30 501
Dimethyl Formamide 10/b	10-40 ppm	67 18 501
Dimethyl Sulfate 0.005/c (9)	0.005-0.05 ppm	67 18 701
Dimethyl Sulfide 1/a (5)	1-15 ppm	67 28 451
Epichlorohydrin 5/c	5-80 ppm	67 28 111
Ethyl Acetate 200/a	200-3,000 ppm	CH 20 201
Ethyl Benzene 30/a	30-600 ppm	67 28 381
Ethylene 0.1/a (5)	0.2-5 ppm	81 01 331
Ethylene 50/a	50-2,500 ppm	67 28 051
Ethylene Glycol 10 (5)	10-180 mg/m³	81 01 351
Ethylene Oxide 1/a (5)	1-15 ppm	67 28 961
Ethylene Oxide 25/a	25-500 ppm	67 28 241
Ethyl Formate 20/a	20-500 ppm	81 03 541
Ethyl Glycol Acetate 50/a	50-700 ppm	67 26 801
Fluorine 0.1/a	0.1-2 ppm	81 01 491
Formaldehyde 0.2/a	0.2-5 ppm	67 33 081
Formaldehyde Activation tube (for use only in conjunction with 0.2/a tube)	extend to 0.04 ppm	81 01 141
Formaldehyde 2/a	2-40 ppm	81 01 751
Formic Acid 1/a	1-15 ppm	67 22 701
Halogenated Hydrocarbons 100/a	100-2,800 ppm	81 01 601
Hexane 100/a	50-3,000 ppm	67 28 391
Hydrazine 0.01/a	0.01-6 ppm	81 03 351
Hydrazine 0.25/a	0.1-10 ppm	CH 31 801
Hydrocarbons 0.1%/c	0.1-1.3 Vol. %	81 03 571
Hydrocarbons 2/a	2-24 mg/l	81 03 581
Hydrochloric Acid 0.2/a	0.2-20 ppm	81 03 481
Hydrochloric Acid 1/a	1-10 ppm	CH 29 501
Hydrochloric Acid 50/a	50-5,000 ppm	67 28 181
Hydrochloric Acid/Nitric Acid 1/a 1-15 ppm (HNO_3)	1-10 ppm (HCL)	81 01 681
Hydrocyanic Acid 2/a	2-150 ppm	CH 25 701
Hydrogen 0.2%/a	0.2-2 Vol. %	81 01 511

Number in parenthesis indicates tests per box.
Bold font indicates SEI Certification







Dräger-Tube®	Measuring Range	Part No.
Hydrogen Fluoride 0.5/a	0.5-90 ppm	81 03 251
Hydrogen Peroxide 0.1/a	0.1-3 ppm	81 01 041
Hydrogen Sulfide 0.2/a	0.2-5 ppm	81 01 461
Hydrogen Sulfide 0.2/b	0.2-6 ppm	81 01 991
Hydrogen Sulfide 0.5/a	0.5-15 ppm	67 28 041
Hydrogen Sulfide 1/d	**1-200 ppm**	**81 01 831**
Hydrogen Sulfide 2/a	2-200 ppm	67 28 821
Hydrogen Sulfide 2/b	1-60 ppm	81 01 961
Hydrogen Sulfide 5/b	5-600 ppm	CH 29 801
Hydrogen Sulfide 100/a	100-2,000 ppm	CH 29 101
Hydrogen Sulfide 0.2%/A	0.2-7 Vol. %	CH 28 101
Hydrogen Sulfide 2%/a	2-40 Vol. %	81 01 211
Hydrogen Sulfide + Sulfur Dioxide 0.2%/A	0.02-7 Vol. %	CH 28 201
Iodine 0.1/a	0.1-6 ppm	81 03 521
Mercaptan 0.1/a	0.1-2.5 ppm	81 03 281
Mercaptan 0.5/a	0.5-5 ppm	67 28 981
Mercaptan 20/a	20-100 ppm	81 01 871
Mercury Vapor 0.1/b	0.05-2 mg/m³	CH 23 101
Methyl Acrylate 5/a	5-200 ppm	67 28 161
Methyl Bromide 0.2/a	0.2-8 ppm	81 03 391
Methyl Bromide 0.5/a	0.5-30 ppm	81 01 671
Methyl Bromide 5/b	5-50 ppm	CH 27 301
Methylisothiocyanate 0.1/a	0.1-6 ppm	81 03 485
Methylene Chloride 100/a	100-2,000 ppm	67 24 601
Natural Gas Test (Methane)(5)	Qualitative	CH 20 001
Nickel Tetracarbonyl 0.1/a (9)	0.1-1 ppm	CH 19 501
Nitric Acid 1/a	1-50 ppm	67 28 311
Nitrogen Dioxide 0.5/c	**0.5-25 ppm**	**CH 30 001**
Nitrogen Dioxide 2/c	2-100 ppm	67 19 101
Nitrous Fumes 0.5/a	0.5-10 ppm	CH 29 401
Nitrous Fumes 2/a	2-100 ppm	CH 31 001
Nitrous Fumes 20/a	20-500 ppm	67 24 001
Nitrous Fumes 50/a	50-2,000 ppm	81 01 921
Nitrous Fumes 100/c	100-5,000 ppm	CH 27 701
Oil Mist 1/a	1-10 mg/m³	67 33 031
Olefins 0.05%/a	0.06-3.2 Vol.% Propylene 0.04-2.4 Vol.% Butylene	CH 31 201
Organic Arsenic Compounds and Arsine	3 mg org. arsenic/m³	CH 26 303
Organic Basic Nitrogen Compounds	1 mg/m³	CH 25 903
Oxygen 5%/C	5-23 Vol. %	81 03 261
Ozone 0.05/b	0.05-1.4 ppm	67 33 181
Ozone 10/a	10-300 ppm	CH 21 001
Pentane 100/a	100-1,500 ppm	67 24 701
Perchloroethylene 0.1/a	0.1-4 ppm	81 01 551
Perchloroethylene 2/a	2-300 ppm	81 01 501
Perchloroethylene 10/b	10-500 ppm	CH 30 701
Petroleum Hydrocarbons 10/a	10-300 ppm (n-Octane)	81 01 691
Petroleum Hydrocarbons 100/a	100-2,500 ppm (n-Octane)	67 30 201
Phenol 1/b	1-20 ppm	81 01 641
Phosgene 0.02/a	0.02-1 ppm	81 01 521
Phosgene 0.25/c	0.25-15 ppm	CH 28 301
Phosphine 0.01/a	0.01-1 ppm	81 01 611
Phosphine 0.1/a	0.1-4 ppm	CH 31 101
Phosphine 0.1/b in acetylene	0.1-15 ppm	81 03 341
Phosphine 1/a	1-100 ppm	81 01 801
Phosphine 25/a	25-10,000 ppm	81 01 621
Phosphine 50/a	15-1,000 ppm	CH 21 201
Phosphoric Acid Esters 0.05/a Dimethyldichlorovinylphosphate)	0.05 ppm	67 28 461
Polytest	Qualitative	CH 28 401
Pyridine 5/A	5 ppm	67 28 651
Styrene 10/a	10-200 ppm	67 23 301
Styrene 10/b	10-250 ppm	67 33 141
Styrene 50/a	50-400 ppm	CH 27 601
Sulfur Dioxide 0.1/a	0.1-3 ppm	67 27 101
Sulfur Dioxide 0.5/a	0.5-25 ppm	67 28 491
Sulfur Dioxide 1/a	1-25 ppm	CH 31 701
Sulfur Dioxide 20/a	20-2,000 ppm	CH 24 201
Sulfur Dioxide 50/b	50-8,000 ppm	81 01 531
Sulfuric Acid 1/a (9)	1-5 mg/m³	67 28 781
Sulfuryl Fluoride 1/a (5)	1-5 ppm	81 03 471
Tetrahydrothiophene 1/b (5)	1-10 ppm	81 01 341
Thioether	1 mg/m³	CH 25 803
Toluene 5/b	5-300 ppm	81 01 661
Toluene 50a	50-400 ppm	81 01 701
Toluene 100/a	100-1,800 ppm	81 01 731
Toluene Diisocyanate 0.02/A (9)	0.02-0.2 ppm	67 24 501
Trichloroethane 50/d (5)	50-600 ppm	CH 21 101
Trichloroethylene 2/a	2-250 ppm	67 28 541
Trichloroethylene 50/a	50-2,000 ppm	81 01 701
Triethylamine 5/a	5-60 ppm	67 18 401
Vinyl Chloride 0.5/b	0.5-30 ppm	81 01 721
Vinyl Chloride 100/a	100-3,000 ppm	CH 19 601
Water Vapor 0.1/a	0.05-1 mg/L	81 01 321
Water Vapor 1/b	1-40 mg/L	81 01 781
Water Vapor 3/a	3-60 lbs/mcf	81 03 031
Xylene 10/a	10-400 ppm	67 33 161

Consult the VOICE® Hazardous Substances Database for detection options on over 1700 chemicals. Access VOICE® at www.draeger.com

ORDER INFORMATION

Description	Order No.
Hard-Side Kit	40 56 443
Soft-Side Kit	40 53 473
Quantimeter 1000	45 00 231
Battery Charger	83 16 992
accuro® 2000 Kit	45 00 200
HazMat Kit Standard	40 57 185
HazMat Simultest Kit	40 56 098
HazMat Simultest Kit (without pump)	40 56 447
CDS Kit	64 00 565S
CDS/HazMat Kit	40 56 665
CDS Kit with Quantimeter & Charger	40 56 570
CDS/HazMat Kit with Quantimeter & Charger	40 56 528
Simultaneous Test Sets	
Civil Defense Simultest Set I	81 03 140
Civil Defense Simultest Set V	81 03 200
HazMat Simultaneous Test Set I (inorganic)	81 01 735
HazMat Simultaneous Test Set II (inorganic)	81 01 736
HazMat Simultaneous Test Set III (organic)	81 01 770
Clan Lab Simultest Set	81 03 310
Fumigation Simultest Set	81 03 410
Container Fumigation Simultest Set	81 03 380
Accessories	
Tube Opener 7000	64 01 200
(1) Motor Vehicle Probe	CH 00 214
(2) Hot Air Probe	CH 00 213
(3) Extension Hose 3m	64 00 077
10m	64 00 078
15m	64 00 079



accuro® Hard Side Kit



accuro® Soft Side Kit



Quantimeter 1000



accuro® 2000



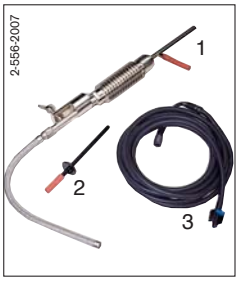
Civil Defense Simultest (CDS) Kit



CDS/HazMat Kit with Quantimeter



Simultaneous Test Set



Accessories

4068 | PI | E | October 22, 2008 | Printed in USA | Subject to modifications!

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