



Simultaneous Test Kits

Civil Defense Kit/Set

Hazmat Kit/Set

Dräger Civil Defense Set Simultaneous-Testset

Are you prepared to respond to a terrorist attack involving chemical weapons? In today's world immediate and accurate detection of toxic chemical agents is crucial. Dräger has developed an important new detection system not available from any other manufacturer – specialized sets that detect up to five different chemical agents simultaneously – in just five minutes.



The Dräger CDS civil defense set utilizes colorimetric Dräger detector tubes, the same tube chemistry used by NATO for many years in single tube detectors.

The Dräger CDS Kit provides two CDS sets for detection of eight chemical substances, including nerve, blood, lung, nose and throat irritating agents.

The Aberdeen Proving Ground group¹⁾ tested tubes for nerve irritating agents as an example for Dräger CDS-tubes: The Dräger-tubes® performed well in all tests and the results were consistent. The interferences did not affect their performance. To make training for the CDS sets as easy and cost-saving as possible, Dräger offers training sets for CDS I and CDS V.

¹⁾ DEL: Design Evaluation Laboratory at Aberdeen Proving Ground, Edgewood, Maryland, Februar 1999

Features/Benefits

- Low cost compared to spectroscopic devices
- No power supply required for manual pump
- On-the-spot results in five minutes
- No warm-up time
- No calibration
- Minimal training, training sets available
- Simple operation
- No filters to replace

Dräger Civil Defense Set – another quality product from Dräger.



Dräger Civil Defense Set



Dräger Simultaneous-Test
with Gas Detector Pump accuro

ORDER INFORMATION

CDS I			81 03 140
Agent	Dräger-Tube	Sensitivity	
Hydrocyanic Acid	Hydrocyanic Acid	1 ppm	
Phosgene	Phosgene	0,2 ppm	
Lewesite	Org. Arsenic Compounds and Arsine	3 mg/m ³ (arsenic.) 0,1 ppm (Arsine)	
N-Mustard	Org. Basic Nitrogen Compounds	1mg/m ³	
S-Mustard	Thioether	1mg/m ³	
CDS V			81 03 200
Nerve Agents	Phosphoric Acid Esters	0,025 ppm	
Phosgene	Phosgene	0,2 ppm	
Cyanogen Chloride	Cyanogen Chloride	0,25 ppm	
Chlorine	Chlorine	0,2 ppm	
S-Mustard	Thioether	1mg/m ³	
Training set for CDS I			81 03 230
Training set for CDS V			81 03 240
CDS opener			64 00 090
accuro pump			64 00 000



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HazMat Simultest Kit



The Dräger HazMat Simultest Kit is based on the Simultaneous Test Sets I, II & III. These specially designed 5-tube sets are used to detect gases and vapors generated as the result of a structural fire or emitted from a chemical leak or spill.

The HazMat Simultest DOES NOT require a complex, confusing matrix card to determine what gases and vapors are present in the ambient air. Each semi-quantitative test takes one minute or less to conclude, therefore the complete testing time to identify ten gases and five organic chemical families is less than 5 minutes. An Air Current Kit is included to help determine relative wind direction and intensity.

Because no power source is required and the tubes are pre-calibrated, the HazMat Simultest Kit is always ready for use in emergency response situations. Training requirements are minimized as all 3 Test Sets have identical instructions for use. Laminated full color instruction cards are supplied to provide a quick reference on the simple sampling procedures and accurate interpretation of results. The kit requires minimal maintenance.

TECHNICAL DATA

HazMat Simultest Kit

The complete HazMat Simultest Kit includes: The accuro® bellows pump with spare parts, simultaneous test sets, 1-meter extension hose with adapter, simultaneous test set opener, individual tube opener, air current kit and laminated instruction cards that have full color graphics making interpretation of tubes quick and easy. A rugged Pelican carrying case protects the kits contents.

Test Set Information

Simultaneous Test Set I	8101735
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(3 included) detects acid gases (e.g. hydrochloric acid, nitric acid), hydrocyanic acid, carbon monoxide, basic type gases (e.g. ammonia, butylamine) and nitrous gases (NO & NO₂)

Simultaneous Test Set II	8101736
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(3 included) detects sulfur dioxide, chlorine, hydrogen sulfide, carbon dioxide and phosgene.

Simultaneous Test Set III	8101770
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(4 included) detects organics: ketones (e.g. acetone, MEK), aromatics (e.g. benzene, toluene), alcohols (e.g. methanol, ethanol), aliphatic hydrocarbons (e.g. n-hexane, n-octane) and chlorinated hydrocarbons (e.g. perchloroethylene, trichloroethylene).

Space is provided in the kit for 6 additional boxes of standard Draeger-Tubes®. Draeger provides over 200 different chemical specific short term tubes for detection of over 1000 chemicals.

ORDERING INFORMATION

HazMat Simultest Kit	4056098
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HazMat Simultest Kit without accuro® pump	4056447
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HazMat Simultest Carrying Case with foam inserts only	4056458
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