

Short - Term Detector Tubes

SEE BELOW

Dräger Short - Term Detector Tubes are used to measure the concentration of specific contaminants instantaneously. Currently there are about 160 short-term tubes available for determining and measuring more than 350 different gases, vapors and aerosols. The Short-Term Tubes can be used in conjunction with the Accuro® Bellows Pump gas detector pump or the Accuro 2000.

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.



SHORT TERM TUBES
Approximate Shelf Life - 2 Years

Amron Part No.	Gases and Vapors	Dräger Tube	Measuring Range	Threshold Limit Value (USA 2005)
CH20501	Ammonia	Ammonia 5/a	5- 700 PPM	25 PPM
8101941		Ammonia 5/b	2.5- 100 PPM	25 PPM
CH31901		Amonia 0.5%.a	0.05- 10 Vol. %	25 PPM
8101811	Carbon Dioxide	Carbon Dioxide 100/a	100-3,000 PPM	5,000 PPM
CH23501		*Carbon Dioxide 0.1%/a	0.1-6 Vol. %	5,000 PPM
CH31401		*Carbon Dioxide 0.5%/a	0.5-10 Vol. %	5,000 PPM
CH25101		*Carbon Dioxide 1%/a	1-20 Vol. %	5,000 PPM
CH20301		*Carbon Dioxide 5%/A	5-60 Vol. %	5,000 PPM
6733051	Carbon Monoxide	Carbon Monoxide 2/a	2- 300 PPM	25 PPM
CH25601		Carbon Monoxide 5/c	5- 700 PPM	25 PPM
CH19701		Carbon Monoxide 8/a (only for CO in H ²)	8- 150 PPM	25 PPM
CH20601		Carbon Monoxide10/b	10-3,000 PPM	25 PPM
CH29901		Carbon Monoxide 0.3%/b	0.3-7 Vol. %	25 PPM
6733031	Oil Mist	***Oil Mist 1/a	1-10 mg/m ³	5 mg/m ³
6728371		***Oil Mist 10/a-P	25-100 micro grams	5 mg/m ³
8103261	Oxygen	Oxygen 5%/C	5-23 Vol. %	--
8101321	Water Vapor	Water Vapor 0.1/a	0.05-1 mg/l	--
8101081		Water Vapor 1/a	0.5-18 mg/l	--
8101781		Water Vapor 1/b	1-40 mg/l	--

If the tube required is not listed, contact Amron for a Dräger Tube Catalog. There are over 160 Tubes to choose from. Boxes offering less than 10 tests are designated with super script numbers representing the total number of indicating tubes.
* Single Stroke Tubes ***Aerosol Tubes SEI Certified Tubes

TECH NOTE:

Concentrations are given as content of a substance in a reference substance. For the measurement of contaminants in air, a concentration is used for the amount of the substance compared to the air. An appropriate engineering unit is chosen, to get simple, handy figures for indicating a concentration.

High concentrations are generally given in volume percent (Vol.%) i.e., 1 part of a substance in 100 part of air. Air consists of 21 Vol.% oxygen. (i.e., 100 parts of air contain 21 parts oxygen). In smaller concentrations the engineering unit is PPM = parts per million (ml/m³) is used.

The concentration PPM means 1 part of a substance in 1 million parts of air and ppb refers to 1 part of a substance in 1 billion parts of air.

The conversion of very small concentration unto to Vol.% is as follows: 1 Vol. % = 10,000 PPM = 10,000,000 PPB.