

Make the switch from MSA detector tubes to Dräger

MSA DETECTOR TUBES

SUBSTANCE TO BE MEASURED	DESCRIPTION	ORDER CODE	MEASURING RANGE
ACETIC ACID	Acetic Acid-1	804138	1 – 80 ppm
ACETONE	Acetone-100	804141	100 – 1,000 ppm
ACRYLONITRILE	Acrylonitril-0.5 (5)	10016376	0.5 – 30 ppm
ALCOHOL	see ethanol		
ALIPHATIC HYDROCARBONS	Gasoline-30	492870	30 – 6,000 ppm
AMMONIA	NH ₃ -2	804405	2 – 600 ppm
	NH ₃ -20	800300	20 – 1,000 ppm
	NH ₃ -0.1 %	804406	0.1 – 10 %
AROMATIC HYDROCARBONS	Aromatic HC	804132	5 – 500 ppm
BENZENE	C ₆ H ₆ -0.25	655837	0.25 – 5 ppm
	C ₆ H ₆ -1	807024	0.5 – 25 ppm
	C ₆ H ₆ -5	804411	5 – 100 ppm
CARBON DIOXIDE	CO ₂ -0.1 %	487333	0.1 – 7 %
	CO ₂ -0.1 %	804419	1 – 20 %
	CO ₂ -HP	488907	100 – 2,000 ppm
	CO ₂ -100	497606	100 – 3,000 ppm
	CO ₂ -0.5 %	710311	0.5 – 10 %
CARBON DISULFIDE	CS ₂ -2	492514	2 – 300 ppm
CARBON MONOXIDE	CO-10 (%)	804421	0.001 – 0.3 %
	CO-10 (ppm)	487334	10 – 3,000 ppm
	CO-0.1 %	804423	0.1 – 1.0 %
	CO-0.5 %	487335	0.3 – 7 %
	CO-5	803943	5 – 1,000 ppm
	CO-HP	488906	5 – 70 ppm
	CO	n/a	n/a
	CO-3,000	710391	3,000 – 70,000 ppm
CHLORINE	Cl ₂ -0.2	803944	0.2 – 30 ppm
	Cl ₂ -50	655862	50 – 500 ppm
	ClO ₂ -0.05	804133	0.05 – 15 ppm
CHLORINE DIOXIDE	Dichloromethane-50	804416	50 – 1,000 ppm
DICHLOROMETHANE	Ethanol-100	804136	100 – 6,000 ppm
ETHANOL	Ethyl Mercaptan-0.5	804589	0.5 – 80 ppm
ETHYL MERCAPTAN	Ethylene-50	804428	25 – 5,000 ppm
ETHYLENE	None	None	n/a
ETHYLENE OXIDE	None	None	n/a
FORMALDEHYDE	Formaldehyd-0.1	497649	0.1 – 55 ppm
GASOLINE	Gasoline-30	492870	30 – 6,000 ppm
GENERAL HYDROCARBONS	Gasoline-30	492870	30 – 6,000 ppm
HEXANE-N	Hexane-20	497664	20 – 3,200 ppm
HYDRAZINE	Hydrazine-0.1	655932	0.1 – 10 ppm
HYDROCARBONS	Gasoline-30	492870	30 – 6,000 ppm
HYDROCHLORIC ACID	CHI-1	803948	1 – 30 ppm
HYDROCYANIC ACID	HCN-2	803945	2 – 50 ppm
HYDROGEN CHLORIDE	CHI-1	803948	1 – 30 ppm
HYDROGEN CYANIDE	HCN-2	803945	2 – 50 ppm
HYDROGEN FLUORIDE	HF-1	804142	1 – 50 ppm
HYDROGEN SULFIDE	H ₂ S-1	487339	1 – 200 ppm
	H ₂ S-100	487340	10 – 4,000 ppm
	H ₂ S-0.4 %	655932	0.1 – 4 %

DRÄGER-TUBES

DESCRIPTION	ORDER CODE	MEASURING RANGE
Acetic Acid 5/a	6722101	5 – 80 ppm
Acetone 100/b	CH22901	100 – 1,200 ppm
Acetone 40/a	8103381	40 – 800 ppm
Acrylonitrile 5/b	CH26901	5 – 30 ppm
Acrylonitrile 0.5/a (5)	6728591	1 – 20 ppm / 0.5 – 10 ppm
Alcohol 100/a	CH29701	100 – 3,000 ppm (several alcohols)
Alcohol 25/a	8101631	25 – 5,000 ppm (several alcohols)
Hydrocarbones 2/a	8103581	2-24 mg/L
Petroleum Hydrocarbons 10/a	8101691	10 – 300 ppm
Petroleum Hydrocarbons 100/a	6730201	100 – 2,500 ppm
Ammonia 0.25/a	8101711	0.25 – 3 ppm
Ammonia 2/a	6733231	2 – 30 ppm
Ammonia 5/a	CH20501	5 – 70 ppm / 50 – 600 ppm
Ammonia 5/b	8101941	5 – 100 ppm
Ammonia 0.5 %/a	CH31901	0.5 – 10 %
Toluene 5/b	8101661	50 – 300 ppm, 5 – 80 ppm
Benzene 0.25/a	6728561	0.5 – 10 ppm
Benzene 0.5/c (5)	8101841	0.5 – 10 ppm
Benzene 1/a	8103641	1 ppm
Benzene 2/a (5)	8101231	2 – 60 ppm
Benzene 5/a	6718801	5 – 40 ppm
Benzene 5/b	6728071	5 – 50 ppm
Benzene 15/a	8101741	15 – 420 ppm
Carbon Dioxide 100/a	8101811	100 – 3,000 ppm
Carbon Dioxide 0.1 %/a	CH23501	0.5 – 6 % / 0.1 – 1.2 %
Carbon Dioxide 0.5 %/a	CH31401	0.5 – 10 %
Carbon Dioxide 1 %/a	CH25101	1 – 20 %
	CH20301	5 – 60 %
Carbon Disulfide 3/a	8101891	3 – 95 ppm
Carbon Disulfide 5/a	6728351	5 – 60 ppm
Carbon Disulfide 30/a	CH23201	0.1 – 10 mg/L
Carbon Monoxide 2/a	6733051	2 – 60 ppm
Carbon Monoxide 5/c	CH25601	100 – 700 ppm / 5 – 150 ppm
Carbon Monoxide 8/a	CH19701	8 – 150 ppm
Carbon Monoxide 10/b	CH20601	100 – 3,000 ppm / 10 – 300 ppm
Carbon Monoxide 0.3 %/b	CH29901	0.3 – 7 %
Chlorine 0.2/a	CH24301	0.2 – 3 ppm / 3 – 30 ppm
Chlorine 0.3/b	6728411	0.3 – 5 ppm
Chlorine 50/a	CH20701	50 – 500 ppm
Chlorine Dioxide 0.025/a	8103491	0.025 – 1 ppm
Methylene Chloride 20/a	8103591	20 – 200 ppm
Alcohol 25/a	8101631	25 – 5,000 ppm (several alcohols)
Alcohol 100/a	CH29701	100 – 3,000 ppm (several alcohols)
Mercaptan 0.1/a	8103281	0.1 – 2.5 ppm
Mercaptan 0.5/a	6728981	0.5 – 5 ppm
Ethylene 0.1/a (5)	8101331	0.2 – 5 ppm
Ethylene 50/a	6728051	50 – 2,500 ppm
Ethylene Oxide 1/a	6728961	1 – 15 ppm
Ethylene Oxide 25/a	6728241	25 – 500 ppm
Formaldehyde 0.2/a	6733081	0.5 – 5 ppm
Formaldehyde 2/a	8101751	2 – 40 ppm
Hydrocarbones 2/a	8103581	2 – 24 mg/L
Petroleum Hydrocarbons 10/a	8101691	10 – 300 ppm
Petroleum Hydrocarbons 100/a	6730201	100 – 2,500 ppm
Hydrocarbones 2/a	8103581	2 – 24 mg/L
Petroleum Hydrocarbons 10/a	8101691	10 – 300 ppm
Petroleum Hydrocarbons 100/a	6730201	100 – 2,500 ppm
Hexane 100/a	6728391	100 – 3,000 ppm
Hydrazine 0.01/a	8103351	0.01 – 0.4 ppm / 0.5 – 6 ppm
Hydrazine 0.25/a	CH31801	0.25 – 10 ppm / 0.1 – 5 ppm
Hydrocarbons 2/a	8103581	2 – 24 mg/m ³
Hydrocarbons 2/a	8103581	2 – 24 mg/m ³
Hydrocarbons 0.1 %/c	8103571	0.1 – 1.3 % Propane, 0.1 – 1.3 % Butane, 0.1 – 1.3 % mix 1:1
Hydrochloric Acid 0.2/a	8103481	0.2 – 3 ppm
Hydrochloric Acid 1/a	CH29501	1 – 10 ppm
Hydrochloric Acid 50/a	6728181	500 – 5,000 ppm, 50 – 500 ppm
Hydrocyanic Acid 0.5/a	8103601	5 – 50 ppm / 0.5 – 5 ppm
Hydrochloric Acid 0.2/a	8103481	0.2 – 3 ppm
Hydrochloric Acid 1/a	CH29501	1 – 10 ppm
Hydrochloric Acid 50/a	6728181	500 – 5,000 ppm, 50 – 500 ppm
Hydrocyanic Acid 0.5/a	8103601	5 – 50 ppm / 0.5 – 5 ppm
Hydrogen Fluoride 1.5/b	CH30301	1.5 – 15 ppm, 10 – 90 ppm
Hydrogen Fluoride 1.5/b	CH30301	1.5 – 15 ppm
Hydrogen Sulfide 0.2/a	8101461	0.2 – 5 ppm
Hydrogen Sulfide 0.2/b	8101991	0.2 – 6 ppm
Hydrogen Sulfide 0.5/a	6728041	0.5 – 15 ppm
Hydrogen Sulfide 1/c	6719001	10 – 200 ppm, 1 – 20 ppm
Hydrogen Sulfide 1/d	8101831	10 – 200 ppm, 1 – 20 ppm
Hydrogen Sulfide 2/a	6728821	20 – 200 ppm, 2 – 20 ppm
Hydrogen Sulfide 2/b	8101961	2 – 60 ppm
Hydrogen Sulfide 5/b	CH29801	5 – 60 ppm
Hydrogen Sulfide 100/a	CH29101	100 – 2,000 ppm
Hydrogen Sulfide 0.2 %/A	CH28101	0.2 – 7 %
Hydrogen Sulfide 2%/a	8101211	2 – 40 %

MSA DETECTOR TUBES

SUBSTANCE TO BE MEASURED	DESCRIPTION	ORDER CODE	MEASURING RANGE
IODINE	None	None	None
LP-GAS	Gasoline-30	492870	30 – 6,000 ppm
MERCAPTANS	Ethyl Mercaptan-0.5	804589	0.5 – 80 ppm
MERCURY VAPOUR	Hg-0.01	497663	0.1 – 0.8 mg/m ³
METHYL BROMIDE	Methyl Bromide	710391	2 – 100 ppm
	Methyl Bromide	710544	200 – 8000 ppm
METHYL ETHYL KETONE	MEK-50	813334	50 – 4000 ppm
METHYL STYRENE	Styrene-10	804135	10 – 300 ppm
NITROGEN DIOXIDE	NO ₂ -0.5	487341	0.1 – 30 ppm
	NO ₂ -2	804435	2 – 140 ppm
NITROUS FUMES	Nitr.-10	803946	10 – 300 ppm
	Nitr.-50	804426	50 – 3,000 ppm
	Nitr.-0.5	487336	0.5 – 50 ppm
	None	None	None
	Nitr.-2	804425	2 – 140 ppm
OZONE	Ozone-0.05	804140	0.05 – 5 ppm
PERCHLOROETHYLENE	n/a	n/a	n/a
PETROLEUM NAPHTHA	n/a	n/a	n/a
	Gasoline-30	492870	30 – 6,000 ppm
PHENOL	Phenol-1	813778	1 – 25 ppm
PHOSGENE	Phosgene-0.1	803949	0.1 – 20 ppm
PHOSPHINE	PH ₃ -0.05	497101	0.05 – 3.0 ppm
	PH ₃ -0.1	485680	0.1 – 100 ppm
	PH ₃ -50	489119	50 – 2,000 ppm
POLYTEST	Qualitest QL	497665	qualitative
PROPANE	Propane-200	804418	200 – 4,000 ppm
STODDARD SOLVENT	Gasoline-30	492870	30 – 6,000 ppm
STYRENE	Styrene-10	804135	10 – 300 ppm
SULFUR DIOXIDE	SO ₂ -1	487338	0.5-25 ppm
	SO ₂ -5	497662	5 – 120 ppm
	SO ₂ -100	497661	100 – 4,000 ppm
TETRACHLOROETHYLENE	Per-10	487337	10 – 500 ppm
	Per-5	804429	5 – 200 ppm
TETRAHYDROTHIOPHENE	THT-1	5085866	1 – 10 ppm
TOLUENE	Tol-5	803947	2 – 1,000 ppm
1,1,1-TRICHLOROETHANE	None	None	None
TRIETHYLAMINE	None	None	None
VINYL CHLORIDE	VC-1	803950	1 – 70 ppm
WATER VAPOR	H ₂ O-HP	804438	5 – 160 mg/m ³
	H ₂ O-HP	488908	10 – 200 ppm

DRÄGER-TUBES

DESCRIPTION	ORDER CODE	MEASURING RANGE
Iodine 0.1/a	8103521	0.1 – 6 ppm 1 – 5 ppm
Hydrocarbons 0.1%/c	8103571	0.1 – 1.3 % Propane, 0.1 – 1.3 % Butane, 0.1 – 1.3 % mix 1:1
Mercaptan 0.1/a	8103281	0.1 – 2.5 ppm
Mercaptan 0.5/a	6728981	0.5 – 5 ppm
Mercury Vapour 0.1/b	CH23101	0.05 – 2 mg/m ³
Methyl Bromide 0.2/a	8103391	0.2 – 2 ppm, 2 – 8 ppm
Methyl Bromide 0.5/a	8101671	5 – 30 ppm, 0.5 – 5 ppm
Methyl Bromide 3/a	6728211	10 – 100 ppm, 3 – 35 ppm
Methyl Bromide 5/b	CH27301	5 – 50 ppm
Acetone 40/a	8103381	40 – 800 ppm
Acetone 100/b	CH22901	100 – 12,000 ppm
Styrene 10/a	6723301	10 – 200 ppm
Styrene 10/b	6733141	10 – 250 ppm
Styrene 50/a	CH27601	50 – 400 ppm
Nitrogen Dioxide 0.1/a	8103631	0.1 – 5 ppm, 5-30 ppm
Nitrogen Dioxide 2/c	6719101	2 – 50 ppm 5 – 100 ppm
Nitrous Fumes 0.5/a	CH29401	0.5 – 10 ppm
Nitrous Fumes 2/a	CH31001	5 – 100 ppm, 2 – 50 ppm
Nitrous Fumes 20/a	6724001	20 – 500 ppm
Nitrous Fumes 50/a	8101921	50 – 1,000 ppm 200 – 2,000 ppm
Nitrous Fumes 100/c	CH27701	500 – 5,000 ppm, 100 – 1,000 ppm
Ozon 0.05/b	6733181	0.05 – 0.7 ppm
Ozon 10/a	CH21001	20 – 300 ppm
Perchloroethylene 0.1/a	8101551	0.5 – 4 ppm
Perchloroethylene 2/a	8101501	20 – 300 ppm, 2 – 40 ppm
Perchloroethylene 10/b	CH30701	10 – 500 ppm
Hydrocarbons 2/a	8103581	2 – 24 mg/L
Petroleum Hydrocarbons 10/a	8101691	10 – 300 ppm
Petroleum Hydrocarbons 100/a	6730201	100 – 2,500 ppm
Phenol 1/b	8101641	1 – 20 ppm
Phosgene 0.02/a	8101521	0.02 – 1 ppm, 0.02 – 0.6 ppm
Phosgene 0.05/a	CH19401	0.04 – 1.5 ppm
Phosgene 0.25/c	CH28301	0.25 – 5 ppm, 0.01 – 0.3 ppm
Phosphine 0.01/a	8101611	0.1 – 1 ppm
Phosphine 0.1/a	CH31101	0.1 – 4 ppm
Phosphine 1/a	8101801	20 – 100 ppm, 1 – 20 ppm
Phosphine 25/a	8101621	200 – 10,000 ppm, 25 – 900 ppm
Phosphine 50/a	CH21201	50 – 1000 ppm
Polytest	CH28401	qualitative
Hydrocarbons 0.1%/c	8103571	0.1 – 1.3 % Propane, 0.1 – 1.3 % Butane, 0.1 – 1.3 % mix 1:1
Hydrocarbons 2/a	8103581	2 – 24 mg/L
Petroleum Hydrocarbons 10/a	8101691	10 – 300 ppm
Petroleum Hydrocarbons 100/a	6730201	100 – 2500 ppm
Styrene 10/a	6723301	10 – 200 ppm
Styrene 10/b	6733141	10 – 250 ppm
Styrene 50/a	CH27601	50 – 400 ppm
Sulfur Dioxide 0.1/a	6727101	0.1 – 3 ppm
Sulfur Dioxide 0.5/a	6728491	1 – 25 ppm, 0.5 – 5 ppm
Sulfur Dioxide 1/a	CH31701	1 – 25 ppm
Sulfur Dioxide 20/a	CH 24201	20 – 200 ppm
Sulfur Dioxide 50/b	8101531	400 – 8,000 ppm, 50 – 500 ppm
Sulfuric Acid 1/a (9)	6728781	1 – 5 mg/m ³
Perchloroethylene 0.1/a	8101551	0.5 – 4 ppm
Perchloroethylene 2/a	8101501	20 – 300 ppm, 2 – 40 ppm
Perchloroethylene 10/b	CH30701	10 – 500 ppm
Tetrahydrothiophene 1/b	8101341	1 – 10 ppm
Toluene 5/b	8101661	50 – 300 ppm, 5 – 80 ppm
Toluene 50/a	8101701	50 – 400 ppm
Toluene 100/a	8101731	100 – 1800 ppm
Trichloroethane 50/d	CH21101	50 – 600 ppm
Triethylamine 5/a	6718401	5 – 60 ppm
Vinyl Chloride 0.5/b	8101721	5 – 30 ppm, 0.5-5 ppm
Vinyl Chloride 100/a	CH19601	100 – 3,000 ppm
Water Vapor 0.1	CH23401	1 – 40 mg/L
Water Vapor 0.1/a	8101321	0.1 – 1.0 mg/L
Water Vapor 1/b	8101781	20 – 40 mg/L, 1 – 15 mg/L

This summary is for informational purposes only and no representations are made regarding the accuracy or comprehensiveness of the above information. The information has been compiled to the best of our knowledge from the available source. However, the Dräger organization is not responsible for any consequence or accident which may occur as the result of the use, misuse or misinterpretation of the information contained in this brochure.