

SENSIDYNE[®]

DETECTOR TUBE CROSS REFERENCE GUIDE: SENSIDYNE – DRAEGER – GASTEC

- Sensidyne – Draeger – Gastec Cross Reference Guide (By Gas)
- Draeger – Sensidyne Cross Reference Guide (By Tube No.)
- Gastec – Sensidyne Cross Reference Guide (By Tube No.)



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***DETECTOR TUBE
CROSS REFERENCE GUIDE:***

SENSIDYNE – DRAEGER – GASTEC

Full listing by Gas

Detector Tube Cross Reference Guide

Gas or Vapor	TLV: TWA (STEL/C)	Sensidyne Part No.	Measuring Range	Draeger Part No.	Measuring Range	Gastec Part No.	Measuring Range
Acetaldehyde	(C 25 ppm)	133A	0.004 - 1%v	6726665	100 - 1000 ppm	92	4 - 750 ppm
		133SB	5 - 140 ppm			92M	1 - 100 ppm
Acetic Acid	10 ppm (15 ppm)	216S	1 - 50 ppm	6722101	5 - 80 ppm	81	1 - 100 ppm
		216S	1 - 50 ppm			81L	0.13 - 25 ppm
Acetic Anhydride	5 ppm	216S	1 - 15 ppm	6722701	Qualitative	81	0.3 - 30 ppm
Acetone	500 ppm (750 ppm)	102SA	0.1 - 5.0%v			151	0.01 - 2.0%v
		102SB	0.01 - 4.0%v	CH22901	100 - 12,000 ppm	151L	50 - 12,000 ppm
		102SD	20 - 5000 ppm				
Acetylene	asphyx					171	0.05 - 4%v
		101S	50 - 1000 ppm	6730201	100 - 2500 ppm	172	32.5 - 1040 ppm
Acetylene & Ethylene (Simultaneous)		280S	20 - 300 & 200 - 2000 ppm				
Acid Compounds in Air				8101121	Qualitative	80	Qualitative
Acrolein	(C 0.1 ppm)	136	0.005 - 1.8%v	6728451	0.1 - 10 ppm	93	3 - 800 ppm
Acrylic Acid	2 ppm	216S	1 - 50 ppm			81	1 - 100 ppm
Acrylonitrile (Vinyl Cyanide)	2 ppm	128SA	0.1 - 3.5%v				
		128SC	1 - 120 ppm			191	2 - 360 ppm
		128SD	0.25 - 20 ppm	6728591	0.5 - 20 ppm	191L	0.1 - 18 ppm
Air Current (Smoke Tubes)		5100	N/A	CH25301	N/A	501	N/A
Aliphatic Hydrocarbons (C-3 to C-5)		187S	50 - 1400 ppm	CH26101	0.5 - 1.3%v	103	0.05 - 2.4%v
Aliphatic Hydrocarbons (C-5 to C-10 & Higher)		187S	50 - 1400 ppm	CH25401	2 - 23 mg/L	105	100 - 3000 ppm
Allyl Alcohol	*	184S	20 - 500 ppm				
Allyl Chloride (3-Chloroprene)	1 ppm (2 ppm)	132SC	1 - 40 ppm			131LA	25 - 250 ppm
Aminobenzene (See Aniline)							
2-Aminoethanol (See Ethanolamine)							
2-Aminopropane (See Isopropylamine)							
Ammonia	25 ppm (35 ppm)	105SH	0.5 - 30%v			3H	0.2 - 32%v
		105SA	0.5 - 10%v	CH31901	0.05 - 10%v		
		105SM	0.1 - 1.0%v			3HM	0.05 - 3.5%v
		105SB	50 - 900 ppm	CH20501	5 - 700 ppm	3M	10 - 1000 ppm
		105SC	5 - 260 ppm	8101941	2.5 - 100 ppm	3LA	2.5 - 200 ppm
		105SD	0.2 - 20 ppm	6733231	2 - 30 ppm	3L	0.5 - 60 ppm
				8101711	0.25 - 3 ppm		
Amyl Acetate (Pentyl Acetate)		210U	10 - 200 ppm	CH20201	200 - 3000 ppm	147	10 - 200 ppm
n-Amyl Acetate (See Pentyl Acetate)						142	200 - 3,000 ppm
Aniline (Aminobenzene)	2 ppm	181S	1 - 30 ppm	CH20401	1 - 20 ppm	181	1.25 - 60 ppm
				6733171	0.5 - 10 ppm		
Antimony Hydride (Stibine)	0.1 ppm			CH25001	0.05 - 3 ppm		

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Arsenic Trioxide				6728951	0.2 mg/M3		
Arsine	0.05 ppm	140SA	5 - 160 ppm	CH25001	0.05 - 60 ppm		
		121U	0.05 - 2.0 ppm			19LA	0.04 - 10 ppm
Aziridine (Ethyleneimine)	0.5 ppm			8101711	0.25 - 3 ppm		
Basic Compounds in air				8101061	Qualitative		
Benzene	0.5 ppm (2.5 ppm)			8101741	15 - 420 ppm		
(Specific)		118SB	5 - 200 ppm	8101231	2 - 60 ppm	121S	2 - 312 ppm
		118SC	1 - 100 ppm	6728071	5 - 50 ppm	121	2.5 - 120 ppm
(Specific)				6718801	5 - 40 ppm	121SL	1 - 100 ppm
(Specific)		118SE	0.2 - 80 ppm	8101841	0.5 - 10 ppm	121SP	0.5 - 10 ppm
		118SD	0.1-75 ppm	6728561	0.5 - 10 ppm	121L	0.125 - 60 ppm
Benzyl Chloride	1 ppm	132SC	1 - 16 ppm	8101551	0.2 - 8 ppm	132L	0.5 - 25 ppm
Bromine	0.1 ppm	114	1 - 20 ppm	CH24301	0.2 - 30 ppm	9L	2 - 23 ppm
						8LA	0.1 - 1.6 ppm
Bromochloromethane (Chlorobromomethane)	200 ppm	157SB	5 - 400 ppm			135	60 - 300 ppm
Bromoethane (Ethyl Bromide)	5 ppm	157SB	20 - 400 ppm	CH27301	20 - 200 ppm	136L	2.5 - 200 ppm
Bromoform	0.5 ppm	114	1 - 20 ppm			136L	1 - 50 ppm
1,3-Butadiene	2 ppm	168SA	0.03 - 2.6%v				
		168SB	30 - 600 ppm			174	50 - 800 ppm
		168SC	2.5 - 100 ppm	6718901	1 - 60 ppm	174L	2.5 - 100 ppm
Butane (n-Butane)	*	221SA	0.05 - 0.6%v	CH26101	0.1 - 0.8%v	103	0.035 - 1.68%v
						104	25 - 1400 ppm
sec-Butanol (sec-Butyl Alcohol, See 2-Butanol)							
n-Butanol (See 1-Butanol)							
1-Butanol (n-Butanol or n-Butyl Alcohol)	(C 50 ppm)			8101631	100 - 5000 ppm	112	100 - 1500 ppm
		190U	5 - 100 ppm			115	2.5 - 150 ppm
2-Butanol (sec-Butanol or sec-Butyl Alcohol)	100 ppm					112	100 - 3500 ppm
		189U	4 - 300 ppm			115	5 - 150 ppm
2-Butanone (See Methyl Ethyl Ketone or MEK)	*						
2-Butoxyehtanol (See Ethylene Glycol Monobutyl Ether, EGBE)							
sec-Butyl Acetate				6726665	100 - 1000 ppm		
tert-Butyl Acetate	200 ppm			6726665	50 - 300 ppm		
n-Butyl Acetate (Butyl Acetate)		139SB	0.01 - 1%v	CH20201	200 - 3000 ppm	142	200 - 3,000 ppm
		138U	10 - 400 ppm				
Butyl Acetate (See n-Butyl Acetate & sec-Butyl Acetate)	150 ppm (200 ppm)						

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Butyl Acrylate	10 ppm	211U	5 - 60 ppm			142L	5 - 65 ppm
Butyl Alcohol (See 1-Butanol)	(C 50 ppm)						
n-Butyl Alcohol (See 1-Butanol)							
Butyl Amine (n-Butyl Amine)	50 ppm	105SD	4 - 300ppm	6728931	2 - 30 ppm	180	8 - 160ppm
						180L	0.55 - 11 ppm
Butyl Cellosolve (See Ethylene Glycol Monobutyl Ether)	50 ppm						
Di-n-Butylamine	*	105SD	2 - 20 ppm			180L	0.4 - 8 ppm
n-Butylamine (See Butyl Amine)							
1-Butylene	*			CH31201	0.4 - 1.3%v	172L	1 - 62 ppm
Carbon Dioxide	5000 ppm (30,000 ppm)					2HT	10 - 100%v
		126UH	5 - 50%v	CH20301	5 - 60%v	2HH	2.5 - 40%v
		126SH	1 - 20%v	CH25101	1 - 20%v	2H	0.5 - 20%v
				CH31401	0.5 - 10%v		
		126SA	0.1 - 2.6%v	CH23501	0.1 - 6%v	2L	0.13 - 6%v
		126SG	0.02 - 1.4%v				
		126SB	0.05 - 1.0%v				
		126B	0.03 - 0.7%v				
		126SF	100 - 4000 ppm	8101811	100 - 3000 ppm	2LL	100 - 11,500 ppm
		601SP	100 - 3000 ppm (CBA)	6728521	100 - 3000 ppm (Air Test)	2A	250 - 3000 ppm (Airtec)
Carbon Dioxide/ Carbon Monoxide (Simultaneous)				6718301	2 - 12%v [CO2] / 200 - 2500 ppm [CO]		
Carbon Disulfide	10 ppm	141SA	30 - 500 ppm	CH23201	32 - 3200 ppm	13M	20 - 4000 ppm
		141SB	1 - 50 ppm	8101891	3 - 95 ppm	13	0.63 - 100 ppm
Carbon Monoxide	25 ppm	106UH	0.1 - 20%v			1HH	1 - 40%v
				CH29901	0.3 - 7%v	1H	0.1 - 10%v
		106SH	0.1 - 2%v			1M	0.005 - 4%v
		106SA	5 - 1000 ppm	CH20601	10 - 3000 ppm	1L	5 - 2000 ppm
				CH25601	5 - 700 ppm	1LM	8 - 1000 ppm
						1LA	25 - 1000 ppm
		106S	10 - 250 ppm	6733051	2 - 300 ppm	1LK	5 - 300 ppm
		106SC	1 - 50 ppm	CH19701	8 - 150 ppm	1LL	5 - 50 ppm
		600SP	5 - 100 ppm (CBA)	6728511	5 - 150 ppm (Air Test)	1A	5 - 50 ppm (Airtec)
		147S	0.5 - 60 ppm	8101791	0.2 - 70 ppm	134	1 - 60 ppm
				CH27401	5 - 50 ppm		
				8101021	1 - 15 ppm	134L	0.25 - 12 ppm
Carbonyl Chloride (See Phosgene)							

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Carbonyl Sulfide	*					21	5 - 200 ppm
		239S	5 - 60 ppm			21LA	2 - 125 ppm
Chlorine	0.5 ppm (1 ppm)			CH20701	50 - 500 ppm	8H	25 - 1000 ppm
		109SA	1 - 40 ppm	CH24301	0.2 - 30 ppm	8LA	0.05 - 16 ppm
		109SB	0.1 - 10 ppm	6728411	0.3 - 10 ppm	8LL	0.025 - 2 ppm
		109U	0.05 - 2 ppm				
Chlorine Dioxide	0.1 ppm (0.3 ppm)	116	1 - 20 ppm	CH24301	0.1 - 1.5 ppm	8LA	0.3 - 4.8 ppm
						8H	25 - 250 ppm
Chlorobenzene (Monochlorobenzene)	10 ppm	178SB	1 - 140 ppm	6728761	5 - 200 ppm	126	2 - 500 ppm
						126L	0.5 - 43 ppm
Chlorobromomethane (See Bromochloromethane)							
2-Chloro-1,3- Butadiene (See Chloroprene)							
1-Chloro-2,3-Epoxypropane (See Epichlorohyrin)							
				6278861	2 - 10 ppm	137L	0.5 - 27 ppm
Chloroform (Trichloromethane)	10 ppm	152S	23 - 500 ppm			137	4 - 400 ppm
Chloroformates	10 ppm			6718601	0.2 - 10 ppm	131LA	15 - 140 ppm
Chloropicrin (Nitro-trichloromethane)	0.1 ppm	172S	0.05 - 16 ppm	8101021	1 - 15 ppm	134	1 - 60 ppm
Chloroprene (2-Chloro-1,3-Butadiene)	0.1 ppm	169S	0.5 - 20 ppm	6718901	5 - 60 ppm		
Chlorotoluene (o-, m-, and p-Chlorotoluene)	50 ppm	132SC	0.5 - 10 (meta), 1 - 50 ppm (ortho & para)				
Chromic Acid	0.05 mg/m3			6728681	0.1 - 0.5 mg/M3		
Cresol (ortho, meta, & para-cresol)	5 ppm	183U	0.5 - 25 ppm	8101641	0.8 - 16 ppm (meta) & Qualitative (ortho & para)	61	1 - 28 ppm (meta), 0.4 - 62.5 ppm (ortho), 1 - 30 ppm (para)
m-Cresol (See Cresol, o-, m-, p-)							
o-Cresol and p- Cresol (See Cresol, o-, -m. & -p)							
Crotonaldehyde	(C 0.3 ppm)	190U	2 - 40 ppm				
Cumene (Isopropylbenzene)	50 ppm					122	5 - 2400 ppm
		111U	20 - 140 ppm	8101701	50 - 400 ppm	122L	2 - 100 ppm
Cyanide (See Hydrocyanic Acid)							
Cyanogen Chloride	(C 0.3 ppm)			CH19801	0.25 - 5 mg/M3		
Cyclohexane	300 ppm	115S	0.01 - 0.6%v			102H	0.015 - 1.2%v
		113SB	50 - 1400 ppm	6725201	100 - 1500 ppm	102L	60 - 1440 ppm
		187S	50 - 1400 ppm				

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Cyclohexanol	50 ppm	206U	5 - 500 ppm			118	5 - 100 ppm
Cyclohexanone	50 ppm	197U	2 - 100 ppm			154	2 - 60 ppm
Cyclohexene	300 ppm	111U	20 - 300 ppm			151	100 - 1000 ppm
Cyclohexylamine	10 ppm					180	7 - 140 ppm
		105SD	1 - 20 ppm	6728931	2 - 30 ppm	180L	0.5 - 10 ppm
DDVP (See Dichlorovos)							
Decahydronaphthalene	*	111U	20 - 200 ppm				
Decane	*	111U	5 - 90 ppm				
Demeton (Systox)	0.01 ppm			CH25803	1 mg/M3		
Diacetone Alcohol	50 ppm	190U	10 - 250 ppm			154	5 - 150 ppm
1,2-Diaminoethane (See Ethylenediamine)							
Diborane	0.1 ppm	242S	0.02 - 5 ppm			22	0.02 - 5 ppm
1,2-Dibromoethane (See Ethylene Bromide/Dibromide)							
m-Dichlorobenzene	*					127	2.5 - 300 ppm
p-Dichlorobenzene	10 ppm	215S	10 - 150 ppm			127	50 - 700 ppm
o-Dichlorobenzene	25 ppm (50 ppm)	214S	5 - 100 ppm	6728761	Qualitative	127	50 - 700 ppm
Dichlorobenzene (See o-, m-, & p-Dichlorobenzene)							
1,1-Dichloroethane (Ethylidene Chloride)	100 ppm	235S	10 - 160 ppm			135	30 - 1300 ppm
1,2-Dichloroethane (See Ethylene Chloride/Dichloride)	10 ppm						
Dichloromethane (See Methylene Chloride)	50 ppm						
1,3-Dichloropropane	1 ppm	194S	10 - 500 ppm				
1,2-Dichloropropane (Propylene Dichloride)	75 ppm (110 ppm)	157SB	20 - 250 ppm	CH27301	50 - 100 ppm	131LA	40 - 600 ppm
1,3-Dichloropropene	1 ppm					132HA	45 - 450 ppm
	1 ppm	132SC	1 - 10 ppm			131LA	0.5 - 10 ppm
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC-14)	1000 ppm			8101601	200 - 2800 ppm	51H (Pyro)	475 - 11,400 ppm
						51 (Pyro)	20 - 800 ppm
						51L (Pyro)	1.8 - 97 ppm
Dichlorovos	0.9 mg/m3			6728461	0.5 ppm	132LL	0.05 - 3.2 ppm
Dicyclopentadiene	5 ppm	190U	2 - 60 ppm				
Diesel Fuel	*	187S	Qualitative	8101691	Qualitative	106	Qualitative
Diethyl Amine (Diethylamine)	5 ppm (15 ppm)			6718401	5 - 60 ppm	180	5.5 - 110 ppm
	5 ppm (15 ppm)	222S	1 - 20 ppm			180L	0.45 - 9 ppm
Diethyl Benzene	*	111U	10 - 180 ppm			122L	2 - 150 ppm
Diethyl Ether (Ethyl Ether)	400 ppm (500 ppm)	107SA	0.04 - 1.4%v	6730501	100 - 4000 ppm	161	0.04 - 1.0%v

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	400 ppm (500 ppm)	107U	20 - 400 ppm			161L	10 - 1200 ppm
Diethylene Dioxide (See Dioxane)							
Difluorochloromethane (Chlorodifluoromethane)	1000 ppm					51H (pyro)	1000 - 24,000 ppm
				8101601	200 - 2800 ppm	51 (pyro)	25 - 1000 ppm
						51L	2.5 - 135 ppm
Diisobutyl Ketone	25 ppm	139U	20 - 1000 ppm			91L	1 - 36 ppm
Diisopropylamine	5 ppm					180	5 - 100 ppm
	5 ppm	105SD	1 - 16 ppm			180L	0.3 - 6 ppm
Dimethyl Acetamide (N,N-Dimethylacetamide)		229S	5 - 70 ppm	6718501	100 - 400 ppm	184	1.5 - 240 ppm
Dimethyl Ether (Methyl Ether)		123S	0.01 - 1.2%v			161	0.03 - 0.9%v
Dimethyl Formamide (N,N-Dimethylformamide)	10 ppm	196S	1 - 30 ppm	6718501	10 - 40 ppm	183	0.8 - 90 ppm
Dimethyl Hydrazine	0.01 ppm			CH31801	0.1 - 10 ppm	185	0.1 - 2 ppm
Dimethyl Sulfate	0.1 ppm			6718701	0.005 - 0.5 ppm		
Dimethyl Sulfide	*			6728451	1 - 15 ppm	53 (pyro)	0.6 - 6 ppm
Dimethylamine (Dimethyl Amine)	5 ppm (15 ppm)					180	5.5 - 110 ppm
	5 ppm (15 ppm)	227S	1 - 20 ppm			180L	0.45 - 9 ppm
Dimethylethylamine	*			6718401	5 - 60 ppm	180	4 - 80 ppm
						180L	0.3 - 6 ppm
Dioxane (1,4-Dioxane or Diethylene Dioxide)	20 ppm	139SB	0.05 - 2.5%v			163	0.6 - 5.6%v
		119U	20 - 500 ppm	6726801	13 - 175 ppm	159	25 - 140 ppm
Disilane	*	240S	1 - 50 ppm				
Epichlorohydrin (1-Chloro-2,3-Epoxypropane)	0.5 ppm	192S	5 - 50 ppm	6728111	5 - 50 ppm	163L	0.5 - 130 ppm
Ethanethiol (See Ethyl Mercaptan)							
Ethanol (Ethyl Alcohol)	1000 ppm	104SA	0.05 - 5%v	CH29701	100 - 3000 ppm	112	0.01 - 7.5%v
				8101631	25 - 2000 ppm	112L	25 - 2,000 ppm
Ethanolamine (Monoethanolamine or 2-Aminoethanol)	5 ppm (15 ppm)	224SA	0.5 - 50 ppm	8101711	0.5 - 6 ppm	180	7 - 140 ppm
						180L	1.95 - 39 ppm
Ether (Ethyl Ether)	*	107SA	0.04 - 1.4%v	6730501	100 - 4000 ppm	161	0.04 - 1.0%v
		107U	20 - 400 ppm			161L	10 - 1200 ppm
2-Ethoxyethanol (See Ethylene Glycol Monoethyl Ether, EGEE)							
Ethyl Acetate	400 ppm	111SA	0.1 - 5%v	CH20201	200 - 3000 ppm	141	0.04 - 1.5%v
		111U	10 - 1000 ppm			141L	25 - 800 ppm
Ethyl Acrylate	5 ppm (15 ppm)	211U	5 - 60 ppm	6728161	5 - 300 ppm	111LL	10 - 40 ppm

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Ethyl Alcohol (See Ethanol)							
Ethyl Amine (Ethylamine)	5 ppm (15 ppm)			6718401	5 - 60 ppm	180	5 - 100 ppm
		227S	1 - 20 ppm			180L	0.45 - 9 ppm
Ethyl Benzene	100 ppm	179S	10 - 500 ppm	6728381	30 - 600 ppm	122	7 - 700 ppm
						122L	1 - 70 ppm
Ethyl Bromide	5 ppm	157SB	20 - 400 ppm	CH27301	20 - 200 ppm	136L	2.5 - 200 ppm
Ethyl Cellosolve (See Ethylene Glycol Monoethyl Ether)	*						
Ethyl Cellosolve Acetate (See EGEEA)	*						
Ethyl Ether (Diethyl Ether)	*	107SA	0.04 - 1.4%v	6730501	100 - 4000 ppm	161	0.04 - 1.0%v
		107U	20 - 400 ppm			161L	10 - 1200 ppm
Ethyl Glycol Acetate (See EGEEA)							
Ethyl Mercaptan (Ethanethiol)	0.5 ppm	165SA	1 - 160 ppm	8101871	20 - 100 ppm	72	0.5 - 120 ppm
		165SB	2.5 - 80 ppm			72L	0.2 - 60 ppm
		130U	0.5 - 10 ppm	6728981	0.5 - 5 ppm		
Ethylene (Ethene)	asphyx	108SA	20 - 1200 ppm	6728051	50 - 2500 ppm	172	25 - 800 ppm
		108B	0.1 - 100 ppm	8101331	0.2 - 5 ppm	172L	0.2 - 50 ppm
Ethylene Bromide (Ethylene Dibromide)	skin	166S	1 - 50 ppm	CH27301	5 - 50 ppm	136L	8 - 80 ppm
Ethylene Chloride (Ethylene Dichloride)	*			8101501	Qualitative	135	200 - 2600 ppm
		230S	5 - 50 ppm	CH27301	100 - 300 ppm	135L	8 - 150 ppm
Ethylene Glycol	(C 100mg/M3)	232SA	20 - 250 mg/M3	8101351	10 - 180 mg/M3	165L	10 - 150 mg/M3
		232SB	3 - 40 mg/M3				
Ethylene Glycol Dinitrate	0.05 ppm			6718201	0.25 ppm		
Ethylene Glycol Monobutyl Ether (Butyl Cellosolve)	20 ppm	190U	10 - 1000 ppm			113L	60 - 640 ppm
Ethylene Glycol Monoethyl Ether (Ethyl Cellosolve)	5 ppm	190U	5 - 500 ppm	6726801	Qualitative	113L	100 - 1200 ppm
Ethylene Glycol Monoethyl Ether Acetate (EGEEA)	5 ppm	190U	5 - 150 ppm	6726801	Qualitative	113L	6 - 96 ppm
Ethylene Glycol Monomethyl Ether (Methyl Cellosolve)	5 ppm	190U	5 - 500 ppm			113L	30 - 900 ppm
Ethylene Glycol Monomethyl Ether Acetate (EGMEA)	5 ppm					113L	50 - 700 ppm
Ethylene Oxide (Oxirane)	1 ppm	122SA	0.01 - 4%v			163	0.05 - 3%v
		122SB	5 - 100 ppm	6728241	25 - 500 ppm	163L	0.4 - 100 ppm
		122SC	1 - 15 ppm	6728961	1 - 15 ppm		
Ethylenediamine (1,2-Diaminoethane)	10 ppm					180	14 - 280 ppm
				8101711	0.5 - 12 ppm	180L	0.9 - 18 ppm

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Ethylidene Chloride (See 1,1-Dichloroethane)							
2-Ethoxyethylacetate (See Ethylene Glycol Monoethyl Ether Acetate, AGEEA)							
Fluorine	1 ppm (2 ppm)			8101491	0.1 - 2 ppm	17	2.5 - 100 ppm
		171SA	20 - 1500 ppm			91M	8 - 6400 ppm
Fluorotrichloromethane (Trichlorofluoromethane)	(C 1000 ppm)			8101601	100 - 1400 ppm	51 (Pyro)	275 - 6600 ppm
						51 (Pyro)	8 - 320 ppm
						51L (Pyro)	0.8 - 43 ppm
Formaldehyde	(C 0.3 ppm)	171SB	1 - 35 ppm	8101751	2 - 40 ppm	91	2 - 20 ppm
		171SC	0.05 - 4 ppm	6733081	0.2 - 5 ppm	91L	0.1 - 32.5 ppm
				8101141	Extends Tube No. 6733081 to 0.04 ppm		
Formic Acid	5 ppm (10 ppm)	216S	1 - 50 ppm	6722701	1 - 15 ppm	81	5.2 - 130 ppm
Furan (Furfuran)	*	122SA	0.01 - 2%v				
Furfural (Furfuraldehyde)	2 ppm	190U	2 - 60 ppm			154	0.6 - 16.5 ppm
Gasoline	300 ppm (500 ppm)	110S	0.05 - 0.6%v	6730201	10 - 2500 ppm	101	0.015 - 1.2%v
		187S	50 - 1400 ppm	8101691	10 - 300 ppm	101L	30 - 1000 ppm
				6400501	10 - 60 ppm		
General Hydrocarbons (See Hydrocarbons)							
Heptane	400 ppm (500 ppm)	113SB	100 - 2000 ppm	6728391	200 - 600 ppm	101	0.015 - 1.2%v
		187S	75 - 2100 ppm			105	90 - 2700 ppm
Hexane	50 ppm	113SA	0.05 - 0.6%v	6728391	50 - 3000 ppm	102H	0.015 - 1.2%v
		113SB	50 - 1400 ppm			106	300 - 4000 ppm
		187S	50 - 1400 ppm			105	80 - 2400 ppm
		113SC	5 - 800 ppm			102L	50 - 1200 ppm
Hexone (See Methyl Isobutyl Ketone or MIBK)							
Hydrazine	0.01 ppm	219S	0.05 - 10 ppm	6733121	0.2 - 10 ppm	185	0.05 - 2 ppm
				CH31801	0.1 - 10 ppm		
Hydrocarbons (Arson Investigation Tube))	*	290P	Qualitative				
Hydrocarbons (C-5 to C-10)	*	187S	50 - 1400 ppm Hexane	CH25401	3 - 23 mg/L	105	100 - 3000 ppm Octane
Hydrocarbons (Propane/Butane)	*	125SA	0.02 - 0.5%v [Propane]	CH26101	0.5 - 1.5%v [Propane]	103	0.05 - 2.4%v [Propane]
Hydrocarbons, Petroleum	*	187S	50 - 1400 ppm Hexane	6730201	10 - 2500 ppm Octane	106	0.05 - 28 mg/L

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Detector Tube Cross Reference Guide

Gas or Vapor	TLV: TWA (STEL/C)	Sensidyne Part No.	Measuring Range	Draeger Part No.	Measuring Range	Gastec Part No.	Measuring Range
				8101691	10 - 300 ppm Octane		
Hydrochloric Acid (Hydrogen Chloride)	(C 5 ppm)	173SA	20 - 1200 ppm	6728181	50 - 5000 ppm	14M	10 - 1000 ppm
		173SB	0.4 - 40 ppm	CH29501	1 - 10 ppm	14L	0.2 - 40 ppm
				8010681	1 - 10 ppm		
Hydrocyanic Acid (Hydrogen Cyanide)	(C 4.7 ppm)	112SA	0.01 - 3%v			12H	0.05 - 2%v
						12M	17 - 2400 ppm
		112SB	0.5 - 100 ppm	CH25701	2 - 150 ppm	12L	0.36 - 120 ppm
				6728791	2 - 15 mg/M3	12LL	0.2 - 7 ppm
Hydrofluoric Acid (See Hydrogen Fluoride)							
Hydrogen	asphyx	137U	0.05 - 0.8%v	8101511	0.2 - 2%v	30	0.5 - 2%v
Hydrogen Chloride (See Hydrochloric Acid)							
Hydrogen Cyanide (See Hydrocyanic Acid)							
Hydrogen Fluoride (Hydrofluoric Acid)	(C 3 ppm)	156S	0.25 - 30 ppm	CH30301	1.5 - 15 ppm	17	0.25 - 100 ppm
				8103251	0.5 - 15 ppm		
Hydrogen Peroxide	1 ppm	247S	0.5 - 10 ppm	8101041	0.1 - 3 ppm	32	0.5 - 10 ppm
Hydrogen Selenide	0.05 ppm	167S	1 - 600 ppm				
	0.05 ppm	242S	0.5 - 20 ppm			22	0.09 - 3.6 ppm
Hydrogen Sulfide	10 ppm (15 ppm)	120UT	2.5 - 40%v	8101211	2 - 40%v	4HT	1 - 40%v
		120UH	2 - 20%v			4HP	0.25 - 20%v
		120SH	0.1 - 4%v	CH28101	0.2 - 7%v	4HH	0.1 - 4%v
		120SM	0.05 - 1.2%v				
		120SF	25 - 2000 ppm	CH29101	100 - 2000 ppm	4H	10 - 3200 ppm
		120SC	0.005 - 0.16%v			4HM	25 - 1600 ppm
				CH29801	5 - 600 ppm	4M	12.5 - 500 ppm
		120SB	0.75 - 300 ppm	6728821	2 - 200 ppm	4L	1 - 240 ppm
				8101831	1 - 200 ppm		
		120SD	1 - 60 ppm	8101961	1 - 60 ppm	4LL	0.25 - 60 ppm
		120SE	0.5 - 40 ppm	6728041	0.5 - 15 ppm		
		120U	0.2 - 6 ppm	8101991	0.2 - 6 ppm	4LT	0.1 - 4 ppm
				8101461	0.2 - 5 ppm		
Hydrogen Sulfide + Mercaptan (Simultaneous)		282S	1 - 30 & 0.5 - 5 ppm				
Hydrogen Sulfide + Sulfur Dioxide				CH28201	0.02 - 7%v	45H	0.02 - 8%v
Hydrogen Sulfide + Sulfur Dioxide (Simultaneous)						45S	1.25 - 120 & 0.25 - 20 ppm

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Isoamyl Acetate	100 ppm	188U	10 - 400 ppm	CH20201	200 - 1000 ppm	148	10 - 200 ppm
Isoamyl Alcohol (See Isopentyl Alcohol)							
Isobutane	*					103	0.035 - 1.68%v
		113SB	50 - 1200 ppm				
		187S	40 - 1120 ppm				
Isobutyl Acetate	150 ppm	139SB	0.01 - 1.4%v			142	0.005 - 0.66%v
		153U	10 - 400 ppm			144	10 - 300 ppm
Isobutyl Acrylate	150 ppm	211U	5 - 60 ppm			142L	2.6 - 78 ppm
Isobutyl Alcohol (Isobutanol)	50 ppm					112	100 - 3000 ppm
		208	5 - 100 ppm			116	5 - 150 ppm
Isobutylene (Isobutene)	*	113SB	0.03 - 2%v			101	0.07 - 2.2%v
Isobutyric Acid	*	216S	3 - 50 ppm				
Isopentyl Alcohol (Isoamyl Alcohol)	100 ppm (125 ppm)	209U	5 - 100 ppm			117	10 - 300 ppm
Isophorone	(C 5 ppm)	197U	5 - 80 ppm			154	2 - 60 ppm
Isoprene	*	190U	1 - 16 ppm				
Isopropanol (Isopropyl Alcohol or 2-Propanol)	400 ppm (500 ppm)	122SA	0.05 - 2.5%v	8101631	50 - 4000 ppm	113	0.02 - 5%v
		150U	20 - 1200 ppm	CH29701	100 - 3000 ppm	113L	25 - 800 ppm
Isopropyl Acetate	250 ppm (310 ppm)	139SB	0.01 - 1.2%v			151	0.05 - 0.75%v
		111U	10 - 1000 ppm	CH20201	200 - 3000 ppm	146	25 - 500 ppm
Isopropyl Alcohol (See Isopropanol)	400 ppm (500 ppm)						
Isopropyl Amine (2-Aminopropane)	5 ppm (10 ppm)					180	5.5 - 110 ppm
		222S	1 - 12 ppm	6728931	2 - 30 ppm	180L	0.45 - 9 ppm
Isopropyl Cellosolve	*	190U	5 - 350 ppm				
Isopropyl Ether	250 ppm (310 ppm)			6730501	100 - 4000 ppm	161	180 - 4500 ppm
		111U	30 - 800 ppm			141L	22.5 - 720 ppm
Isopropyl Mercaptan	*	130U	0.5 - 10 ppm			70	1 - 200 ppm
Isopropylbenzene (See Cumene)							
Isovaleric Acid (Isopropylacetic Acid)	*	216S	3 - 50 ppm			81L	0.38 - 15 ppm
Kerosene	*	187S	8 - 32 mg/L			106	0.5 - 26 mg/L
Maleic Anhydride	0.25 ppm	216S	0.2 - 10 ppm			81	0.4 - 40 ppm
Mercury Vapor	0.025 mg/M3	142S	0.1 - 10 mg/M3	CH23101	0.05 - 2 mg/M3	40	0.05 - 13.2 mg/M3
Mesityl Oxide	15 ppm (25 ppm)	190U	5 - 100 ppm			141L	33.8 - 1080 ppm
Methacrylic Acid	20 ppm	216S	1 - 50 ppm			81	0.9 - 9 ppm
Methane	asphyx			CH20001	Qualitative		
Methanethiol (See Methyl Mercaptan)							

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Detector Tube Cross Reference Guide

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Methanol (Methyl Alcohol)	200 ppm (250 ppm)	119SA	0.05 - 6%v	8101631	25 - 5000 ppm	111	0.002 - 4.5%v
		119U	20 - 1000 ppm	CH29701	100 - 3000 ppm	111L	20 - 1000 ppm
						111LL	2 - 56 ppm
2-Methoxy Ethanol (See Ethylene Glycol Monomethyl Ether, EGME)							
2-Methoxyethyl Acetate (See EGEEA)							
Methyl Acetate	200 ppm (250 ppm)	111SA	0.1 - 3 ppm	CH20201	200 - 3000 ppm		
Methyl Acrylate	2 ppm			6728161	5 - 200 ppm	141L	20 - 400 ppm
		211U	5 - 60 ppm			111LL	3 - 23 ppm
Methyl Alcohol (See Methanol)	200 ppm (250 ppm)						
Methyl Amine	25 ppm			6718401	5 - 60 ppm	180	5 - 60 ppm
		227S	1 - 20 ppm			180L	0.5 - 10 ppm
Methyl Aniline	0.5 ppm	105SD	0.5 - 6 ppm			181	3.5 - 42 ppm
Methyl Bromide (Bromomethane)	1 ppm	157SA	10 - 500 ppm			136H	10 - 600 ppm
		157SB	0.4 - 80 ppm	CH27301	5 - 50 ppm	136L	2 - 200 ppm
		157SB	0.4 - 80 ppm	8101671	0.5 - 30 ppm	136LA	1 - 36 ppm
Methyl Butyl Ketone	5 ppm (10 ppm)	237S	5 - 80 ppm				
Methyl Cellosolve (Ethylene Glycol Monomethyl Ether)	5 ppm	190U	5 - 500 ppm			113L	30 - 900 ppm
Methyl Chloroform (1,1,1-Trichloroethane)	350 ppm (450 ppm)	160S	15 - 400 ppm	CH21101	10 - 600 ppm	135	100 - 500 ppm
						135L	20 - 200 ppm
Methyl Cyclohexane	50 ppm (75 ppm [ortho])	113SB	100 - 1600 ppm			102H	0.04 - 0.84%v
Methyl Cyclohexanol	50 ppm	199U	5 - 200 ppm			119	5 - 100 ppm
Methyl Cyclohexanone	*	198U	2 - 100 ppm			155	2 - 100 ppm
Methyl Ether (See Dimethyl Ether)							
Methyl Ethyl Ketone (MEK or 2-Butanone)	200 ppm (300 ppm)	122SA	0.05 - 5%v				
		139 U	20 - 1500 ppm	CH22901	100 - 12,000 ppm	151L	21 - 1680 ppm
		139SB	0.01 - 1.4%v			152	0.02 - 0.6%v
Methyl Hydrazine	0.01 ppm	216S	0.1 - 6 ppm			185	2 - 12 ppm
Methyl Iodide	2 ppm	176S	5 - 40 ppm				
		155U	5 - 300 ppm				
Methyl Isobutyl Ketone (Hexone or MIBK)	50 ppm (75 ppm)	122SA	0.01 - 0.6%v	CH22901	130 - 15,000 ppm	153	0.01 - 0.6%v
Methyl Isothiocyanide	*	111U	10 - 200 ppm				
Methyl Mercaptan (Methanethiol)	0.5 ppm	164SH	50 - 1000 ppm			71H	20 - 2700 ppm
		164SA	5 - 140 ppm	8101871	20 - 100 ppm	71	0.25 - 70 ppm
		130U	0.5 - 10 ppm	6728981	0.5 - 5 ppm		

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Methyl Methacrylate	100 ppm					141	0.005 - 0.275%v
		184S	10 - 160 ppm	6728161	15 - 700 ppm	149	10 - 500 ppm
Methyl Propyl Ketone	200 ppm (250 ppm)			CH22901	130 - 15,000 ppm		
Methyl Styrene	50 ppm (100 ppm)	193S	10 - 500 ppm				
Methylene Chloride (See Dichloromethane)		180S	10 - 1000 ppm	6724601	100 - 2000 ppm	138	25 - 1500 ppm
Mineral Spirits	*	187S	10 40 mg/L			128	0.1 - 8 mg/L
Mineral Turpentine	100 ppm	111U	4 - 200 ppm				
		187S	10 - 40 mg/L			124	0.25 - 12.65 mg/M3
Monoethanol Amine (See Ethanolamine)	5 ppm (15 ppm)						
Monostyrene (See Styrene)							
Morpholine	20 ppm					180	9 - 180 ppm
		105SD	2 - 22 ppm			180L	0.5 - 10 ppm
Motor Fuel (See also Gasoline)		110S	0.05 - 0.6%v	6400491	200 - 5,000 ppm	101	0.015 - 1.2%v
		187S	50 - 1400 ppm			101L	30 - 1000 ppm
Napthalene	10 ppm (15 ppm)	153U	10 - 100 ppm			60	0.5 - 12 ppm
Natural Gas (Methane)				CH20001	Qualitative		Qualitative
Nickel	1.5 mg/m3			6728871	0.25 - 1 mg/M3		
Nickel Carbonyl	0.05 ppm	129	20 - 700 ppm	CH19501	0.1 - 1 ppm	20L	10 - 800 ppm
Nickel Tetracarbonyl (See Nickel Carbonyl)							
Nitric Acid		233S	1 - 20 ppm	6728311	1 - 50 ppm	15L	0.1 - 40 ppm
				8101681	1 - 15 ppm		
Nitric Oxide (NO)	25 ppm	174A	10 - 300			10	5 - 200 ppm
Nitrogen Dioxide	3 ppm (5 ppm)	117SA	20 - 1000 ppm			10	2 - 200 ppm
		174A	1 - 40 ppm	6719101	2 - 100 ppm	9L	0.5 - 125 ppm
		117SB	0.5 - 30 ppm	CH30001	0.5 - 25 ppm		
		117SC	0.1 - 1 ppm				
Nitrogen Oxides (NO & NO2 Simultaneous)	NO: 25 ppm, NO2: 3 ppm (5 ppm)	174A	10 - 300 ppm & 1 - 40 ppm			10	5 - 200 ppm (NO) & 2 - 200 ppm (NO2)
Nitroglycol	*			6718201	0.25 ppm		
Nitrous Fumes (NO + NO2 Total, or NOx)	NO: 25 ppm, NO2: 3 ppm (5 ppm)			CH27701	100 - 5000 ppm		
		175SH	100 - 2500 ppm	8101921	50 - 2000 ppm	11HA	50 - 2500 ppm
		175SA	20 - 250 ppm	6724001	20 - 500 ppm	11S	5 - 575 ppm
				CH31001	2 - 100 ppm		
		175U	0.5 - 30 ppm	CH29401	0.5 - 10 ppm	11L	0.08 - 5 ppm
Nonane	200 ppm	111U	5 - 160 ppm				
						105	130 - 3900 ppm

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		187S	100 - 2800 ppm	6730201	10 - 2500 ppm	105	100 - 3000 ppm
				8101691	10 - 300 ppm		
Octane (n-Octane)	*			6400491	200 - 5000 ppm	101	0.036 - 0.72%v
Oil Mist				6733031	1 - 10 mg/M3		
		602SP	0.3 - 5 mg/M3 (CBA)	6728371	25 - 100 mg (Air Test)	109A	0.3 - 1.5 mg/M3 (Airtec)
Olefins (Butylene, Propylene)	*	185S	50 - 1000 ppm	CH31201	0.06 - 3.2%v	100A	0.02 - 0.8%v
Organic Arsenic Compounds & Arsine				CH26303	3 mg/M3		
Organic Basic Nitrogen Compounds				CH25903	1 mg/M3		
Organic Gas Checker (Polytest, Polytec)		186	Qualitative	CH28401	Qualitative	107	Qualitative
Oxirane (See Ethylene Oxide)							
Oxygen		159SC	1.5 - 23%v	6728081	5 - 23%v	31B	3 - 24%v
		604SP	2 - 24%v (CBA)				
Oxygen & Carbon Dioxide (Simultaneous)		281S	2 - 10%v [CO2] & 1 - 20%v [O2]				
Ozone	0.05 ppm	182SA	50 - 1000 ppm				
		182SB	2.5 - 100 ppm	CH21001	10 - 300 ppm	18M	4 - 400 ppm
		182U	0.025 - 3 ppm	6733181	0.05 - 1.4 ppm	18L	0.025 - 3 ppm
n-Pentane (See Pentane)		221SA	0.05 - 0.6%v			104	100 - 1,500 ppm
Pentane (n-Pentane)	600 ppm	187S	40 - 1120 ppm	6724701	100 - 1500 ppm	105	90 - 2700 ppm
		113SB	50 - 1000 ppm			104	110 - 1660 ppm
Pentyl Acetate (See Amyl Acetate)	100 ppm						
Pentyl Amine		105SD	2 - 22 ppm				
Perchloroethylene (Tetrachloroethylene)	25 ppm (100 ppm)	135SH	0.05 - 2%v	8101851	50 - 10,000 ppm	132HA	20 - 1300 ppm
				CH30701	10 - 500 ppm	133HA	7 - 900 ppm
		135SA	5 - 300 ppm	8101501	2 - 300 ppm	133M	2 - 250 ppm
						133L	0.5 - 37.5 ppm
		135SB	0.2 - 10 ppm	8101551	0.1 - 4 ppm	133LL	0.1 - 9 ppm
Phenol	5 ppm	183U	0.5 - 25 ppm	8101641	1 - 20 ppm	60	0.4 - 187 ppm
Phosgene (Carbonyl Chloride)	0.1 ppm	146S	0.1 - 20 ppm	CH28301	0.25 - 15 ppm	16	0.05 - 20 ppm
	0.1 ppm			8101521	0.02 - 1 ppm		
Phosphine	0.3 ppm (1 ppm)	121SH	100-3200 ppm	8101621	25-10,000 ppm	7J	2.5 - 1000 ppm
	0.3 ppm (1 ppm)	121SC	20 - 700 ppm	CH21201	15 - 1000 ppm	7	2.5 - 100 ppm
	0.3 ppm (1 ppm)	121SD	0.25 - 20 ppm	CH31101	0.1 - 4 ppm	7LA	0.05 - 9.5 ppm
	0.3 ppm (1 ppm)	121U	0.05 - 2 ppm	8101611	0.01 - 1 ppm	7L	0.15 - 5 ppm
Phosphoric Acid Esters				6728461	0.05 ppm		
Pinene (A-Pinene)	*	158S	20 - 300 ppm			121	93 - 1140 ppm
Polytest (See Organic Gas Checker)							

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Propane	2500 ppm	125SA	0.02 - 0.5%v	CH26101	0.5 - 1.3%v	103	0.05 - 2.4%v		
						100B	0.1 - 2%v (Special Pump)		
Propionic Acid	10 ppm	216S	3 - 50 ppm			81	1.5 - 150 ppm		
Propyl Acetate (n-Propyl Acetate)	200 ppm (250 ppm)	139SB	0.01 - 1.4%v	CH20201	200 - 3000 ppm	151	0.06 - 0.9%v		
		151U	20 - 1000 ppm			145	20 - 500 ppm		
Propyl Amine	*					180	6 - 120 ppm		
		105SD	1 - 20 ppm			180L	0.5 - 10 ppm		
Propyl Bromide (n-Propyl Bromide)	*	157SA	10 - 500 ppm						
		157SB	5 - 80 ppm						
Propyl Mercaptan (n-Propyl Mercaptan)	*	130U	0.5 - 10 ppm			70	2 - 540 ppm		
Di-n-Propylamine	*	105SD	1 - 14 ppm						
Propylene	asphyx	185S	50 - 1000 ppm	CH31201	0.06 - 3.2%v	100A	0.02 - 0.8%v		
Propylene Dichloride (See 1,2-Dichloropropane)				CH27301					
Propylene Imine						180	5.5 - 110 ppm		
						8101711	0.25 - 3 ppm	180L	0.35 - 7 ppm
Propylene Oxide	20 ppm	163SA	0.05 - 5%v			163	0.3 - 3.6%v		
		122SC	3 - 70 ppm			163L	0.4 - 100 ppm		
Pyridine	5 ppm	105SD	0.1 - 10 ppm	6728651	5 ppm	182	0.2 - 35 ppm		
Screening Tube (Poly Test/Polytec/Organic Gas Check)	*	186	Qualitative	CH28401	Qualitative	107	Qualitative		
Silane (Silicon Tetrahydride)	5 ppm	240S	0.5 - 50 ppm						
Smoke Tube (See Air Current Tube)									
Styrene (Monostyrene)	20 ppm (40 ppm)					153	0.015 - 0.9%v		
						CH27601	50 - 400 ppm	124	10 - 1000 ppm
						158S	2.5 - 300 ppm	6733141	10 - 250 ppm
							6723301	10 - 200 ppm	
Sulfur Dioxide	2 ppm (5 ppm)	103SA	0.1 - 3%v			5H	0.05 - 8%v		
		103SF	0.02 - 0.3%v (Flue gas)	8101531	50 - 8000 ppm				
		103SB	0.02 - 0.3%v	CH24201	20 - 2000 ppm	5M	20 - 3600 ppm		
		103SC	20 - 300 ppm			5L	1.25 - 200 ppm		
		103SD	1 - 60 ppm	CH31701	1 - 25 ppm	5LA	0.5 - 60 ppm		
				6728491	0.5 - 25 ppm	5LC	0.1 - 26 ppm (in CO2)		
		103 SE	0.25 - 10 ppm	6727101	0.1 - 3 ppm	5LB	0.05 - 10 ppm		
Sulfuric Acid	1 mg/M3 (3 mg/M3)	244U	0.5 - 5 mg/M3	6728781	1 - 5 mg/M3	35	1 - 5 mg/M3		
Systox (See Demeton)									

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1,1,2,2-Tetrachloroethane	1 ppm	236S	5 - 50 ppm			131LA	3 - 75 ppm
Tetrachloroethylene (See Perchloroethylene)	25 ppm (100 ppm)						
Tetrachloromethane (See Carbon Tetrachloride)							
Tetraethoxysilane (TEOS)	*	243U	5 - 200 ppm				
Tetrahydrofuran	200 ppm (250 ppm)	102SA	0.2 - 5%v			161	0.01 - 0.8%v
		162U	20 - 400 ppm	CH29701	50 - 400 ppm	159	20 - 800 ppm
Tetrahydrothiophene (Thiophane or THP)	*	190U	4 - 100 ppm			76H	10 - 200 ppm
				8101341	1 - 10 ppm	76	1 - 10 ppm
Thioether	*			CH25803	1 mg/M3		
Toluene	50 ppm	124SH	100 - 3000 ppm	8101731	100 - 1800 ppm	161	0.02 - 0.85%v
		124SA	10 - 500 ppm	8101701	50 - 400 ppm	122	5 - 600 ppm
		124SB	2 - 100 ppm	8101661	5 - 300 ppm	122L	1 - 100 ppm
Toluene Diisocyanate (TDI)	0.005 ppm (0.02 ppm)			6724501	0.02 - 0.2 ppm		
o-Toluidine	2 ppm	105SD	2 - 22 ppm	6728991	1 - 30 ppm	181	2.5 - 35 ppm
p-Toluidine	*	105SD	2 - 20 ppm				
Toluidine (See o-Toluidine and p-Toluidine)	2 ppm						
1,1,1-Trichloroethane (See Methyl Chloroform)	*						
1,1,2-Trichloroethane (Vinyl Trichloride)	10 ppm	236S	10 - 100 ppm			135	220 - 1900 ppm
Trichloroethylene	50 ppm (100 ppm)	134SH	0.05 - 2%v			132HH	0.05 - 1%v
				CH24401	50 - 2000 ppm	132HA	20 - 1300 ppm
		134SA	5 - 300 ppm	6728541	2 - 250 ppm	132M	2 - 250 ppm
						132L	1 - 50 ppm
		134SB	0.2 - 16 ppm			132LL	0.125 - 8.8 ppm
Trichlorofluoromethane (See Fluorotrichloromethane)							
Trichloromethane (See Chloroform)							
Trichlorotoluene	*	132SC	0.2 - 4 ppm				
Triethylamine	1 ppm (3 ppm)					3M	3.5 - 140 ppm
		213S	1 - 20 ppm	6718401	5 - 60 ppm	180	4.5 - 90 ppm
						180L	0.3 - 6 ppm
Trifluorobromomethane	*			8101601	Qualitative	51 (Pyro)	45 - 1800 ppm
						51L (Pyro)	4.2 - 220 ppm
Trimethyl Amine	5 ppm (15 ppm)	222S	1 - 20 ppm			180	3.5 - 70 ppm
						180L	0.25 - 5 ppm

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Detector Tube Cross Reference Guide

Gas or Vapor	TLV: TWA (STEL/C)	Sensidyne Part No.	Measuring Range	Draeger Part No.	Measuring Range	Gastec Part No.	Measuring Range
1,2,4-Trimethyl Benzene (Pseudocumene)	25 ppm	111U	20 - 250 ppm			123	10 - 300 ppm
2,2,4-Trimethyl Pentane	*	113SB	100 - 4000 ppm				
Turpentine (See Mineral Turpentine)							
Valeric Acid (Valerianic Acid)		216S	3 - 70 ppm				
Vinyl Acetate	10 ppm (15 ppm)					141	0.01 - 1%v
		237S	5 - 120 ppm			143	5 - 250 ppm
				8101721	0.5 - 30 ppm	131LA	0.25 - 54 ppm
Vinyl Chloride	5 ppm	132SA	0.05 - 1%v	CH19601	100 - 3000 ppm	131	0.025 - 2%v
		132SB	5 - 500 ppm				
		132SC	0.1 - 12 ppm			131L	0.1 - 6.6 ppm
Water Vapor	*	177SA	1.7 - 33.8 mg/L	8101781	1 - 40 mg/L	6	0.5 - 32 mg/L
				8101081	0.5 - 18 mg/L		
		177U	0.5 - 2 mg/L	8101321	0.05 - 1 mg/L	6L	0.1 - 2 mg/L
				8103021	50 - 1000LB/MMCF		
		177UL	3 - 80 LB/MMCF	8103031	3 - 60 LB/MMCF	6LP	6 - 80 LB/MMCF
		177UR	2 - 12 LB/MMCF			6LLP	2 - 10 LB/MMCF
		603SPA	20 - 160 mg/M3 (CBA)	6728531	5 - 250 mg/M3 (Air Test)	6A	30 - 80 mg/M3 (Airtec)
Xylene (o-, m-, and p-Xylene)	100 ppm (150 ppm)	143SA	5 - 1000 ppm				
		143SB	5 - 200 ppm	6733161	10 - 400 ppm	123	5 - 500 ppm
Zinc Chromate	0.05 mg/m3			6728681	0.2 - 1 mg/L		

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***DETECTOR TUBE
CROSS REFERENCE GUIDE:***

DRAEGER – SENSIDYNE

Listing by Tube No.

Draeger - Sensidyne Detector Tube Cross Reference Guide

Draeger Tube No	Gas or Vapor to be Measured	Draeger Range	Best Sensidyne Match	
			Tube No.	Range
6400491	Motor Fuel (See also Gasoline)	200 - 5,000 ppm	110S	0.05 - 0.6%v
			187S	50 - 1400 ppm
6400491	Octane (n-Octane)	200 - 5000 ppm	187S	100 - 2800 ppm
6718401	Diethyl Amine (Diethylamine)	5 - 60 ppm	222S	1 - 20 ppm
6718401	Ethyl Amine (Ethylamine)	5 - 60 ppm	227S	1 - 20 ppm
6718401	Methyl Amine	5 - 60 ppm	227S	1 - 20 ppm
6718401	Triethylamine	5 - 60 ppm	213S	1 - 20 ppm
6718501	Dimethyl Acetamide (N,N-Dimethylacetamide)	100 - 400 ppm	229S	5 - 70 ppm
6718501	Dimethyl Formamide (N,N-Dimethylformamide)	10 - 40 ppm	196S	1 - 30 ppm
6718901	1,3-Butadiene	1 - 60 ppm	168SC	2.5 - 100 ppm
6718901	Chloroprene (2-Chloro-1,3-Butadiene)	5 - 60 ppm	169S	0.5 - 20 ppm
6719101	Nitrogen Dioxide	2 - 100 ppm	174A	1 - 40 ppm
6722101	Acetic Acid	5 - 80 ppm	216S	1 - 50 ppm
6722701	Acetic Anhydride	Qualitative	216S	1 - 15 ppm
6722701	Formic Acid	1 - 15 ppm	216S	1 - 50 ppm
6723301	Styrene (Monostyrene)	10 - 200 ppm	158S	2.5 - 300 ppm
6724001	Nitrous Fumes (NO + NO2 Total, or NOx)	20 - 500 ppm	175SA	20 - 250 ppm
6724601	Methylene Chloride (Dichloromethane)	100 - 2000 ppm	180S	10 - 1000 ppm
6724701	Pentane (n-Pentane)	100 - 1500 ppm	187S	40 - 1120 ppm
			113SB	50 - 1000 ppm
6725201	Cyclohexane	100 - 1500 ppm	113SB	50 - 1400 ppm
			187S	50 - 1400 ppm
6726665	Acetaldehyde	100 - 1000 ppm	133A	0.004 - 1%v
6726801	Dioxane (1,4-Dioxane or Diethylene Dioxide)	13 - 175 ppm	119U	20 - 500 ppm
6726801	Ethylene Glycol Monoethyl Ether (Ethyl Cellosolve)	Qualitative	190U	5 - 500 ppm
6726801	Ethylene Glycol Monoethyl Ether Acetate (EGEEA)	Qualitative	190U	5 - 150 ppm
6727101	Sulfur Dioxide	0.1 - 3 ppm	103 SE	0.25 - 10 ppm
6728041	Hydrogen Sulfide	0.5 - 15 ppm	120SE	0.5 - 40 ppm
6728051	Ethylene (Ethene)	50 - 2500 ppm	108SA	20 - 1200 ppm
6728071	Benzene	5 - 50 ppm	118SC	1 - 100 ppm
6728081	Oxygen	5 - 23%v	159SC	1.5 - 23%v
6728111	Epichlorohydrin (1-Chloro-2,3-Epoxypropane)	5 - 50 ppm	192S	5 - 50 ppm
6728161	Ethyl Acrylate	5 - 300 ppm	211U	5 - 60 ppm
6728161	Methyl Acrylate	5 - 200 ppm	211U	5 - 60 ppm
6728161	Methyl Methacrylate	15 - 700 ppm	184S	10 - 160 ppm
6728181	Hydrochloric Acid (Hydrogen Chloride)	50 - 5000 ppm	173SA	20 - 1200 ppm
6728241	Ethylene Oxide (Oxirane)	25 - 500 ppm	122SB	5 - 100 ppm

1% = 10,000 ppm • 0.1% = 1000 ppm • 0.01% = 100 ppm
 * = TLV not listed in 2000 ACGIH

Note: Air Test, CBA, and Airtec indicate special kits for compressed breathing air analysis

Draeger - Sensidyne Detector Tube Cross Reference Guide

Draeger Tube No	Gas or Vapor to be Measured	Draeger Range	Best Sensidyne Match	
			Tube No.	Range
6728311	Nitric Acid	1 - 50 ppm	233S	1 - 20 ppm
6728371	Oil Mist	25 - 100 mg (Air Test)	602SP	0.3 - 5 mg/M3 (CBA)
6728381	Ethyl Benzene	30 - 600 ppm	179S	10 - 500 ppm
6728391	Heptane	200 - 600 ppm	113SB	100 - 2000 ppm
			187S	75 - 2100 ppm
6728391	Hexane	50 - 3000 ppm	113SA	0.05 - 0.6%v
			113SB	50 - 1400 ppm
			187S	50 - 1400 ppm
6728411	Chlorine	0.3 - 10 ppm	109SB	0.1 - 10 ppm
6728451	Acrolein	0.1 - 10 ppm	136	0.005 - 1.8%v
6728491	Sulfur Dioxide	0.5 - 25 ppm	103 SE	0.25 - 10 ppm
6728511	Carbon Monoxide	5 - 150 ppm (Air Test)	600SP	5 - 100 ppm (CBA)
6728521	Carbon Dioxide	100 - 3000 ppm (Air Test)	601SP	100 - 3000 ppm (CBA)
6728531	Water Vapor	5 - 250 mg/M3 (Air Test)	603SP	20 - 160 mg/M3 (CBA)
6728541	Trichloroethylene	2 - 250 ppm	134SA	5 - 300 ppm
			134SB	0.2 - 16 ppm
6728591	Acrylonitrile (Vinyl Cyanide)	0.5 - 20 ppm	128SD	0.25 - 20 ppm
6728651	Pyridine	5 ppm	105SD	0.1 - 10 ppm
6728761	Chlorobenzene (Monochlorobenzene)	5 - 200 ppm	178SB	1 - 140 ppm
6728761	o-Dichlorobenzene	Qualitative	214S	5 - 100 ppm
6728781	Sulfuric Acid	1 - 5 mg/M3	244U	0.5 - 5 mg/M3
6728821	Hydrogen Sulfide	2 - 200 ppm	120SB	0.75 - 300 ppm
6728931	Butyl Amine (n-Butylamine)	2 - 30 ppm	105SD	4 - 300ppm
6728931	Cyclohexylamine	2 - 30 ppm	105SD	1 - 20 ppm
6728931	Isopropyl Amine (2-Aminopropane)	2 - 30 ppm	222S	1 - 12 ppm
6728961	Ethylene Oxide (Oxirane)	1 - 15 ppm	122SC	1 - 15 ppm
6728981	Ethyl Mercaptan (Ethanethiol)	0.5 - 5 ppm	130U	0.5 - 10 ppm
6728981	Methyl Mercaptan (Methanethiol)	0.5 - 5 ppm	130U	0.5 - 10 ppm
6728991	o-Toluidine	1 - 30 ppm	105SD	2 - 22 ppm
6730201	Gasoline	10 - 2500 ppm	110S	0.05 - 0.6%v
6730201	Hydrocarbons, Petroleum Octane	10 - 2500 ppm	187S	50 - 1400 ppm Hexane
6730201	Octane (n-Octane)	10 - 2500 ppm	187S	100 - 2800 ppm
6730501	Diethyl Ether (Ethyl Ether)	100 - 4000 ppm	107SA	0.04 - 1.4%v
			107U	20 - 400 ppm
6730501	Ether (Ethyl Ether)	100 - 4000 ppm	107SA	0.04 - 1.4%v
			107U	20 - 400 ppm
6730501	Ethyl Ether (Diethyl Ether)	100 - 4000 ppm	107SA	0.04 - 1.4%v

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Note: Air Test, CBA, and Airtect indicate special kits for compressed breathing air analysis

Draeger - Sensidyne Detector Tube Cross Reference Guide

Draeger Tube No	Gas or Vapor to be Measured	Draeger Range	Best Sensidyne Match	
			Tube No.	Range
			107U	20 - 400 ppm
6730501	Isopropyl Ether	100 - 4000 ppm	111U	30 - 800 ppm
6733031	Oil Mist	1 - 10 mg/M3	602SP	0.3 - 5 mg/M3 (CBA)
6733051	Carbon Monoxide	2 - 300 ppm	106S	10 - 250 ppm
6733081	Formaldehyde	0.2 - 5 ppm	171SC	0.05 - 4 ppm
6733121	Hydrazine	0.2 - 10 ppm	219S	0.05 - 10 ppm
6733141	Styrene (Monostyrene)	10 - 250 ppm	158S	2.5 - 300 ppm
6733161	Xylene (o-, m-, and p-Xylene)	10 - 400 ppm	143SB	5 - 200 ppm
			143SA	5 - 1000 ppm
6733181	Ozone	0.05 - 1.4 ppm	182U	0.025 - 3 ppm
6733231	Ammonia	2 - 30 ppm	105SD	0.2 - 20 ppm
8010681	Hydrochloric Acid (Hydrogen Chloride)	1 - 10 ppm	173SB	0.4 - 40 ppm
8101021	Carbon Tetrachloride (Tetrachloromethane)	1 - 15 ppm	147S	0.5 - 60 ppm
8101021	Chloropicrin (Nitro-trichloromethane)	1 - 15 ppm	172S	0.05 - 16 ppm
8101081	Water Vapor	0.5 - 18 mg/L	177SA	1.7 - 33.8 mg/L
8101141	Formaldehyde	Extends Tube No. 6733081 to 0.04 ppm	171SC	0.05 - 4 ppm
8101211	Hydrogen Sulfide	2 - 40%v	120UT	2.5 - 40%v
8101231	Benzene (Specific)	2 - 60 ppm	118SB	5 - 200 ppm
8101321	Water Vapor	0.05 - 1 mg/L	177U	0.5 - 2 mg/L
8101331	Ethylene (Ethene)	0.2 - 5 ppm	108B	0.1 - 100 ppm
8101341	Tetrahydrothiophene (Thiophane or THP)	1 - 10 ppm	190U	4 - 100 ppm
8101351	Ethylene Glycol	10 - 180 mg/M3	232SA	20 - 250 mg/M3
			232SB	3 - 40 mg/M3
8101461	Hydrogen Sulfide	0.2 - 5 ppm	120U	0.2 - 6 ppm
8101501	Perchloroethylene (Tetrachloroethylene)	2 - 300 ppm	135SA	5 - 300 ppm
8101511	Hydrogen	0.2 - 2%v	137U	0.05 - 0.8%v
8101531	Sulfur Dioxide	50 - 8000 ppm	103SF	0.02 - 0.3%v (Flue gas)
8101551	Benzyl Chloride	0.2 - 8 ppm	132SC	1 - 16 ppm
8101551	Perchloroethylene (Tetrachloroethylene)	0.1 - 4 ppm	135SB	0.2 - 10 ppm
8101611	Phosphine	0.01 - 1 ppm	121U	0.05 - 2 ppm
8101621	Phosphine	25-10,000 ppm	121SH	100-3200 ppm
8101631	1-Butanol (n-Butanol or n-Butyl Alcohol)	100 - 5000 ppm	190U	5 - 100 ppm
8101631	Ethanol (Ethyl Alcohol)	25 - 2000 ppm	104SA	0.05 - 5%v
8101631	Isopropanol (Isopropyl Alcohol or 2-Propanol)	50 - 4000 ppm	122SA	0.05 - 2.5%v
8101631	Methanol (Methyl Alcohol)	25 - 5000 ppm	119SA	0.05 - 6%v

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Note: Air Test, CBA, and Airtec indicate special kits for compressed breathing air analysis

Draeger - Sensidyne Detector Tube Cross Reference Guide

Draeger Tube No	Gas or Vapor to be Measured	Draeger Range	Best Sensidyne Match	
			Tube No.	Range
8101641	Cresol (ortho, meta, & para-cresol)	0.8 - 16 ppm (meta) & Qualitative (ortho & para)	183U	0.5 - 25 ppm
8101641	Phenol	1 - 20 ppm	183U	0.5 - 25 ppm
8101661	Toluene	5 - 300 ppm	124SB	2 - 100 ppm
8101671	Methyl Bromide (Bromomethane)	0.5 - 30 ppm	157SB	0.4 - 80 ppm
8101681	Nitric Acid	1 - 15 ppm	233S	1 - 20 ppm
8101691	Diesel Fuel	Qualitative	187S	Qualitative
8101691	Gasoline	10 - 300 ppm	187S	50 - 1400 ppm
8101691	Hydrocarbons, Petroleum	10 - 300 ppm Octane	187S	50 - 1400 ppm Hexane
8101691	Octane (n-Octane)	10 - 300 ppm	187S	100 - 2800 ppm
8101701	Cumene (Isopropylbenzene)	50 - 400 ppm	111U	20 - 140 ppm
8101701	Toluene	50 - 400 ppm	124SA	10 - 500 ppm
8101711	Ammonia	0.25 - 3 ppm	105SD	0.2 - 20 ppm
8101711	Ethanolamine (Monoethanolamine or 2-Aminoethanol)	0.5 - 6 ppm	224SA	0.5 - 50 ppm
8101721	Vinyl Chloride	0.5 - 30 ppm	132SC	0.1 - 12 ppm
8101731	Toluene	100 - 1800 ppm	124SH	100 - 3000 ppm
8101741	Benzene	15 - 420 ppm	118SC	1 - 100 ppm
8101751	Formaldehyde	2 - 40 ppm	171SB	1 - 35 ppm
8101781	Water Vapor	1 - 40 mg/L	177SA	1.7 - 33.8 mg/L
8101791	Carbon Tetrachloride (Tetrachloromethane)	0.2 - 70 ppm	147S	0.5 - 60 ppm
8101811	Carbon Dioxide	100 - 3000 ppm	126SF	100 - 4000 ppm
8101831	Hydrogen Sulfide	1 - 200 ppm	120SB	0.75 - 300 ppm
8101851	Perchloroethylene (Tetrachloroethylene)	50 - 10,000 ppm	135SH	0.05 - 2%v
8101871	Ethyl Mercaptan (Ethanethiol)	20 - 100 ppm	165SA	1 - 160 ppm
			165SB	2.5 - 80 ppm
8101871	Methyl Mercaptan (Methanethiol)	20 - 100 ppm	164SA	5 - 140 ppm
8101891	Carbon Disulfide	3 - 95 ppm	141SB	1 - 50 ppm
8101921	Nitrous Fumes (NO + NO2 Total, or NOx)	50 - 2000 ppm	175SH	100 - 2500 ppm
8101941	Ammonia	2.5 - 100 ppm	105SC	5 - 260 ppm
8101961	Hydrogen Sulfide	1 - 60 ppm	120SD	1 - 60 ppm
8101991	Hydrogen Sulfide	0.2 - 6 ppm	120U	0.2 - 6 ppm
8103031	Water Vapor	3 - 60 LB/MMCF	177UL	3 - 80 LB/MMCF
			177UR	2 - 12 LB/MMCF
8103251	Hydrogen Fluoride (Hydrofluoric Acid)	0.5 - 15 ppm	156S	0.25 - 30 ppm
CH19501	Nickel Carbonyl	0.1 - 1 ppm	129	20 - 700 ppm
CH19601	Vinyl Chloride	100 - 3000 ppm	132SA	0.05 - 1%v
			132SB	5 - 500 ppm
CH19701	Carbon Monoxide	8 - 150 ppm	106SC	1 - 50 ppm

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Note: Air Test, CBA, and Airtec indicate special kits for compressed breathing air analysis

Draeger - Sensidyne Detector Tube Cross Reference Guide

Draeger Tube No	Gas or Vapor to be Measured	Draeger Range	Best Sensidyne Match	
			Tube No.	Range
CH20201	Amyl Acetate (Pentyl Acetate)	200 - 3000 ppm	210U	10 - 200 ppm
CH20201	Ethyl Acetate	200 - 3000 ppm	111SA	0.1 - 5 %v
			111U	10 - 1000 ppm
CH20201	Isoamyl Acetate	200 - 1000 ppm	188U	10 - 400 ppm
CH20201	Isopropyl Acetate	200 - 3000 ppm	111U	2 - 1000 ppm
			139SB	0.01 - 1.2%v
CH20201	Methyl Acetate	200 - 3000 ppm	111SA	0.1 - 3 ppm
CH20201	n-Butyl Acetate	200 - 3000 ppm	139SB	0.01 - 1%v
CH20201	Propyl Acetate (n-Propyl Acetate)	200 - 3000 ppm	139SB	0.01 - 1.4%v
			151U	20 - 1000 ppm
CH20301	Carbon Dioxide	5 - 60%v	126UH	5 - 50%v
CH20401	Aniline (Aminobenzene)	1 - 20 ppm	181S	1 - 30 ppm
CH20501	Ammonia	5 - 700 ppm	105SB	50 - 900 ppm
CH20601	Carbon Monoxide	10 - 3000 ppm	106SA	5 - 1000 ppm
CH21001	Ozone	10 - 300 ppm	182SB	2.5 - 100 ppm
CH21101	Methyl Chloroform (1,1,1-Trichloroethane)	10 - 600 ppm	160S	15 - 400 ppm
CH21201	Phosphine	15 - 1000 ppm	121SC	20 - 700 ppm
CH22901	Acetone	100 - 12,000 ppm	102SB	0.01 - 4.0%v
CH22901	Methyl Ethyl Ketone (MEK or 2-Butanone)	100 - 12,000 ppm	139 U	20 - 1500 ppm
CH22901	Methyl Isobutyl Ketone (Hexone or MIBK)	130 - 15,000 ppm	122SA	0.01 - 0.6%v
CH23101	Mercury Vapor	0.05 - 2 mg/M3	142S	0.1 - 10 mg/M3
CH23201	Carbon Disulfide	32 - 3200 ppm	141SA	30 - 500 ppm
CH23501	Carbon Dioxide	0.1 - 6%v	126SA	0.1 - 2.6%v
CH24201	Sulfur Dioxide	20 - 2000 ppm	103SB	0.02 - 0.3%v
			103SC	20 - 300 ppm
CH24301	Bromine	0.2 - 30 ppm	114	1 - 20 ppm
CH24301	Chlorine	0.2 - 30 ppm	109SA	1 - 40 ppm
CH24301	Chlorine Dioxide	0.1 - 1.5 ppm	116	1 - 20 ppm
CH25001	Arsine	0.05 - 60 ppm	140SA	5 - 160 ppm
			121U	0.05 - 2.0 ppm
CH25101	Carbon Dioxide	1 - 20%v	126SH	1 - 20%v
CH25301	Air Current (Smoke Tubes)	N/A	5100	N/A
CH25401	Aliphatic Hydrocarbons (C-5 to C-10 & Higher)	2 - 23 mg/L	187S	50 - 1400 ppm
CH25401	Hydrocarbons (C-5 to C-10)	3 - 23 mg/L	187S	50 - 1400 ppm Hexane
CH25601	Carbon Monoxide	5 - 700 ppm	106SA	5 - 1000 ppm
CH25701	Hydrocyanic Acid (Hydrogen Cyanide)	2 - 150 ppm	112SB	0.5 - 100 ppm
CH26101	Aliphatic Hydrocarbons (C-3 to C-5)	0.5 - 1.3%v	187S	50 - 1400 ppm
CH26101	Butane (n-Butane)	0.1 - 0.8%v	221SA	0.05 - 0.6%v

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Note: Air Test, CBA, and Airtec indicate special kits for compressed breathing air analysis

Draeger - Sensidyne Detector Tube Cross Reference Guide

Draeger Tube No	Gas or Vapor to be Measured	Draeger Range	Best Sensidyne Match	
			Tube No.	Range
CH26101	Hydrocarbons (Propane/Butane)	0.5 - 1.5%v [Propane]	125SA	0.02 - 0.5%v [Propane]
CH26101	Propane	0.5 - 1.3%v	125SA	0.02 - 0.5%v
CH27301	Bromoethane (Ethyl Bromide)	20 - 200 ppm	157SB	20 - 400 ppm
CH27301	1,2-Dichloropropane (Propylene Dichloride)	50 - 100 ppm	157SB	20 - 250 ppm
CH27301	Ethyl Bromide	20 - 200 ppm	157SB	20 - 400 ppm
CH27301	Ethylene Bromide (Ethylene Dibromide)	5 - 50 ppm	166S	1 - 50 ppm
CH27301	Ethylene Chloride (Ethylene Dichloride)	100 - 300 ppm	230S	5 - 50 ppm
CH27301	Methyl Bromide (Bromomethane)	5 - 50 ppm	157SB	0.4 - 80 ppm
CH27401	Carbon Tetrachloride (Tetrachloromethane)	5 - 50 ppm	147S	0.5 - 60 ppm
CH27601	Styrene (Monostyrene)	50 - 400 ppm	158S	2.5 - 300 ppm
CH27701	Nitrous Fumes (NO + NO2 Total, or NOx)	100 - 5000 ppm	175SH	100 - 2500 ppm
CH28101	Hydrogen Sulfide	0.2 - 7%v	120SH	0.1 - 4%v
CH28301	Phosgene (Carbonyl Chloride)	0.25 - 15 ppm	146S	0.1 - 20 ppm
CH28401	Organic Gas Checker (Polytest, Polytec)	Qualitative	186	Qualitative
CH28401	Screening Tube (Poly Test/Polytec/ Organic Gas Check)	Qualitative	186	Qualitative
CH29101	Hydrogen Sulfide	100 - 2000 ppm	120SF	25 - 2000 ppm
CH29401	Nitrous Fumes (NO + NO2 Total, or NOx)	0.5 - 10 ppm	175U	0.5 - 30 ppm
CH29501	Hydrochloric Acid (Hydrogen Chloride)	1 - 10 ppm	173SB	0.4 - 40 ppm
CH29701	Ethanol (Ethyl Alcohol)	100 - 3000 ppm	104SA	0.05 - 5%v
CH29701	Isopropanol (Isopropyl Alcohol or 2-Propanol)	100 - 3000 ppm	150U	20 - 1200 ppm
CH29701	Methanol (Methyl Alcohol)	100 - 3000 ppm	119U	20 - 1000 ppm
CH29701	Tetrahydrofuran	50 - 400 ppm	162U	20 - 400 ppm
CH29801	Hydrogen Sulfide	5 - 600 ppm	120SB	0.75 - 300 ppm
CH29901	Carbon Monoxide	0.3 - 7%v	106UH	0.1 - 20%v
CH30001	Nitrogen Dioxide	0.5 - 25 ppm	117SB	0.5 - 30 ppm
			174A	10 - 300 ppm (NO) & 1 - 40 ppm (NO2)
CH30301	Hydrogen Fluoride (Hydrofluoric Acid)	1.5 - 15 ppm	156S	0.25 - 30 ppm
CH31001	Nitrous Fumes (NO + NO2 Total, or NOx)	2 - 100 ppm	175SA	20 - 250 ppm
CH31101	Phosphine	0.1 - 4 ppm	121SD	0.25 - 20 ppm
CH31201	Olefins (Butylene, Propylene)	0.06 - 3.2%v	185S	50 - 1000 ppm
CH31201	Propylene	0.06 - 3.2%v	185S	50 - 1000 ppm
CH31401	Carbon Dioxide	0.5 - 10%v	126SH	1 - 20%v
CH31701	Sulfur Dioxide	1 - 25 ppm	103SD	1 - 60 ppm
CH31801	Hydrazine	0.1 - 10 ppm	219S	0.05 - 10 ppm
CH31901	Ammonia	0.05 - 10%v	105SA	0.5 - 10%v
			105SM	0.1 - 1.0%v

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***DETECTOR TUBE
CROSS REFERENCE GUIDE:***

GASTEC– SENSIDYNE

Listing by Tube No.

Gastec - Sensidyne Detector Tube Cross Reference Guide

Gastec Tube No	Gas or Vapor to be Measured	Gastec Range	Best Sensidyne Match	
			Tube No.	Range
1HH	Carbon Monoxide	1 - 40%v	106UH	0.1 - 20%v
1M	Carbon Monoxide	0.005 - 4%v	106SH	0.1 - 2%v
1L	Carbon Monoxide	5 - 2000 ppm	106SA	5 - 1000 ppm
1LM	Carbon Monoxide	8 - 1000 ppm	106SA	5 - 1000 ppm
1LA	Carbon Monoxide	25 - 1000 ppm	106SA	5 - 1000 ppm
1LK	Carbon Monoxide	5 - 300 ppm	106S	10 - 250 ppm
1LL	Carbon Monoxide	5 - 50 ppm	106SC	1 - 50 ppm
1A	Carbon Monoxide	5 - 50 ppm (Airtec)	600SP	5 - 100 ppm (CBA)
2HH	Carbon Dioxide	2.5 - 40%v	126UH	5 - 50%v
2H	Carbon Dioxide	0.5 - 20%v	126SH	1 - 20%v
2L	Carbon Dioxide	0.13 - 6%v	126SA	0.1 - 2.6%v
2LL	Carbon Dioxide	100 - 11,500 ppm	126SF	100 - 4000 ppm
2A	Carbon Dioxide	250 - 3000 ppm (Airtec)	601SP	100 - 3000 ppm (CBA)
3H	Ammonia	0.2 - 32%v	105SH	0.5 - 30%v
3HM	Ammonia	0.05 - 3.5%v	105SM	0.1 - 1.0%v
3M	Ammonia	10 - 1000 ppm	105SB	50 - 900 ppm
3LA	Ammonia	2.5 - 200 ppm	105SC	5 - 260 ppm
3L	Ammonia	0.5 - 60 ppm	105SD	0.2 - 20 ppm
4HT	Hydrogen Sulfide	1 - 40%v	120UT	2.5 - 40%v
4HP	Hydrogen Sulfide	0.25 - 20%v	120UH	2 - 20%v
4HH	Hydrogen Sulfide	0.1 - 4%v	120SH	0.1 - 4%v
4H	Hydrogen Sulfide	10 - 3200 ppm	120SF	25 - 2000 ppm
4HM	Hydrogen Sulfide	25 - 1600 ppm	120SC	0.005 - 0.16%v
4M	Hydrogen Sulfide	12.5 - 500 ppm	120SB	0.75 - 300 ppm
4L	Hydrogen Sulfide	1 - 240 ppm	120SB	0.75 - 300 ppm
4LL	Hydrogen Sulfide	0.25 - 60 ppm	120SD	1 - 60 ppm
4LT	Hydrogen Sulfide	0.1 - 4 ppm	120U	0.2 - 6 ppm
5H	Sulfur Dioxide	0.05 - 8%v	103SA	0.1 - 3%v
5M	Sulfur Dioxide	20 - 3600 ppm	103SB	0.02 - 0.3%v
5L	Sulfur Dioxide	1.25 - 200 ppm	103SC	20 - 300 ppm
5LA	Sulfur Dioxide	0.5 - 60 ppm	103SD	1 - 60 ppm
5LB	Sulfur Dioxide	0.05 - 10 ppm	103 SE	0.25 - 10 ppm
6	Water Vapor	0.5 - 32 mg/L	177SA	1.7 - 33.8 mg/L
6L	Water Vapor	0.1 - 2 mg/L	177U	0.5 - 2 mg/L
6LP	Water Vapor	6 - 80 LB/MMCF	177UL	3 - 80 LB/MMCF
6LLP	Water Vapor	2 - 10 LB/MMCF	177UR	2 - 12 LB/MMCF
6A	Water Vapor	30 - 80 mg/M3 (Airtec)	603SP	20 - 160 mg/M3 (CBA)
7J	Phosphine	2.5 - 1000 ppm	121SH	100-3200 ppm
7	Phosphine	2.5 - 100 ppm	121SC	20 - 700 ppm
7LA	Phosphine	0.05 - 9.5 ppm	121SD	0.25 - 20 ppm

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Note: Air Test, CBA, and Airtec indicate special kits for compressed breathing air analysis

Gastec - Sensidyne Detector Tube Cross Reference Guide

Gastec Tube No	Gas or Vapor to be Measured	Gastec Range	Best Sensidyne Match	
			Tube No.	Range
7L	Phosphine	0.15 - 5 ppm	121U	0.05 - 2 ppm
8LA	Chlorine	0.05 - 16 ppm	109SA	1 - 40 ppm
8LL	Chlorine	0.025 - 2 ppm	109SB	0.1 - 10 ppm
			109U	0.05 - 2 ppm
8LA	Chlorine Dioxide	0.3 - 4.8 ppm	116	1 - 20 ppm
9L	Bromine	2 - 23 ppm	114	1 - 20 ppm
9L	Nitrogen Dioxide	0.5 - 125 ppm	174A	1 - 40 ppm
10	Nitric Oxide (NO)	5 - 200 ppm	174A	10 - 300
10	Nitrogen Dioxide	2 - 200 ppm	117SA	20 - 1000 ppm
10	Nitrogen Oxides (NO & NO2 Simultaneous)	5 - 200 ppm (NO) & 2 - 200 ppm (NO2)	174A	10 - 300 ppm (NO) & 1 - 40 ppm (NO2)
11HA	Nitrous Fumes (NO + NO2 Total, or NOx)	50 - 2500 ppm	175SH	100 - 2500 ppm
11S	Nitrous Fumes (NO + NO2 Total, or NOx)	5 - 575 ppm	175SA	20 - 250 ppm
11L	Nitrous Fumes (NO + NO2 Total, or NOx)	0.08 - 5 ppm	175U	0.5 - 30 ppm
12H	Hydrocyanic Acid (Hydrogen Cyanide)	0.05 - 2%v	112SA	0.01 - 3%v
12L	Hydrocyanic Acid (Hydrogen Cyanide)	0.36 - 120 ppm	112SB	0.5 - 100 ppm
13M	Carbon Disulfide	20 - 4000 ppm	141SA	30 - 500 ppm
13	Carbon Disulfide	0.63 - 100 ppm	141SB	1 - 50 ppm
14M	Hydrochloric Acid (Hydrogen Chloride)	10 - 1000 ppm	173SA	20 - 1200 ppm
14L	Hydrochloric Acid (Hydrogen Chloride)	0.2 - 40 ppm	173SB	0.4 - 40 ppm
15L	Nitric Acid	0.1 - 40 ppm	233S	1 - 20 ppm
16	Phosgene (Carbonyl Chloride)	0.05 - 20 ppm	146S	0.1 - 20 ppm
17	Hydrogen Fluoride (Hydrofluoric Acid)	0.25 - 100 ppm	156S	0.25 - 30 ppm
18M	Ozone	4 - 400 ppm	182SB	2.5 - 100 ppm
	Ozone		182SA	50 - 1000 ppm
18L	Ozone	0.025 - 3 ppm	182U	0.025 - 3 ppm
19LA	Arsine	0.04 - 10 ppm	121U	0.05 - 2.0 ppm
20L	Nickel Carbonyl	10 - 800 ppm	129	20 - 700 ppm
21LA	Carbonyl Sulfide	2 - 125 ppm	239S	5 - 60 ppm
22	Diborane	0.02 - 5 ppm	242S	0.02 - 5 ppm
22	Hydrogen Selenide	0.09 - 3.6 ppm	242S	0.5 - 20 ppm
30	Hydrogen	0.5 - 2%v	137U	0.05 - 0.8%v
31B	Oxygen	3 - 24%v	159SC	1.5 - 23%v
35	Sulfuric Acid	1 - 5 mg/M3	244U	0.5 - 5 mg/M3
40	Mercury Vapor	0.05 - 13.2 mg/M3	142S	0.1 - 10 mg/M3
60	Napthalene	0.5 - 12 ppm	153U	10 - 100 ppm
60	Phenol	0.4 - 187 ppm	183U	0.5 - 25 ppm
61	Cresol (ortho, meta, & para-cresol)	1 - 28 ppm (meta), 0.4 - 62.5 ppm (ortho), 1 - 30 ppm (para)	183U	0.5 - 25 ppm
70	Isopropyl Mercaptan	1 - 200 ppm	130U	0.5 - 10 ppm

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Gastec Tube No	Gas or Vapor to be Measured	Gastec Range	Best Sensidyne Match	
			Tube No.	Range
70	Propyl Mercaptan (n-Propyl Mercaptan)	2 - 540 ppm	130U	0.5 - 10 ppm
71H	Methyl Mercaptan (Methanethiol)	20 - 2700 ppm	164SH	50 - 1000 ppm
71	Methyl Mercaptan (Methanethiol)	0.25 - 70 ppm	164SA	5 - 140 ppm
72	Ethyl Mercaptan (Ethanethiol)	0.5 - 120 ppm	165SA	1 - 160 ppm
72L	Ethyl Mercaptan (Ethanethiol)	0.2 - 60 ppm	165SB	2.5 - 80 ppm
76H	Tetrahydrothiophene (Thiophane or THP)	10 - 200 ppm	190U	4 - 100 ppm
81	Acetic Acid	1 - 100 ppm	216S	1 - 50 ppm
81	Acetic Anhydride	0.3 - 30 ppm	216S	1 - 15 ppm
81	Acrylic Acid	1 - 100 ppm	216S	1 - 50 ppm
81	Formic Acid	5.2 - 130 ppm	216S	1 - 50 ppm
81	Maleic Anhydride	0.4 - 40 ppm	216S	0.2 - 10 ppm
81	Methacrylic Acid	0.9 - 9 ppm	216S	1 - 50 ppm
81	Propionic Acid	1.5 - 150 ppm	216S	3 - 50 ppm
81L	Acetic Acid	0.13 - 25 ppm	216S	1 - 50 ppm
81L	Isovaleric Acid (Isopropylacetic Acid)	0.38 - 15 ppm	216S	3 - 50 ppm
91M	Fluorine	8 - 6400 ppm	171SA	20 - 1500 ppm
91	Formaldehyde	2 - 20 ppm	171SB	1 - 35 ppm
91L	Formaldehyde	0.1 - 32.5 ppm	171SC	0.05 - 4 ppm
91L	Diisobutyl Ketone	1 - 36 ppm	139U	20 - 1000 ppm
92	Acetaldehyde	4 - 750 ppm	133A	0.004 - 1%v
92M	Acetaldehyde	1 - 100 ppm	133SB	5 - 140 ppm
93	Acrolein	3 - 800 ppm	136	0.005 - 1.8%v
100A	Olefins (Butylene, Propylene)	0.02 - 0.8%v	185S	50 - 1000 ppm
100A	Propylene	0.02 - 0.8%v	185S	50 - 1000 ppm
101	Gasoline	0.015 - 1.2%v	110S	0.05 - 0.6%v
101	Heptane	0.015 - 1.2%v	113SB	100 - 2000 ppm
101	Isobutylene (Isobutene)	0.07 - 2.2%v	113SB	0.03 - 2%v
101	Motor Fuel (See also Gasoline)	0.015 - 1.2%v	110S	0.05 - 0.6%v
101L	Gasoline	30 - 1000 ppm	187S	50 - 1400 ppm
101L	Motor Fuel (See also Gasoline)	30 - 1000 ppm	187S	50 - 1400 ppm
102H	Cyclohexane	0.015 - 1.2%v	115S	0.01 - 0.6%v
102H	Hexane	0.015 - 1.2%v	113SA	0.05 - 0.6%v
102H	Methyl Cyclohexane	0.04 - 0.84%v	113SB	100 - 1600 ppm
102L	Hexane	50 - 1200 ppm	113SC	5 - 800 ppm
102L	Cyclohexane	60 - 1440 ppm	113SB	50 - 1400 ppm
			187S	50 - 1400 ppm
103	Aliphatic Hydrocarbons (C-3 to C-5)	0.05 - 2.4%v	187S	50 - 1400 ppm
103	Butane (n-Butane)	0.035 - 1.68%v	221SA	0.05 - 0.6%v
103	Hydrocarbons (Propane/Butane) [Propane]	0.05 - 2.4%v [Propane]	125SA	0.02 - 0.5%v [Propane]
103	Propane	0.05 - 2.4%v	125SA	0.02 - 0.5%v
104	n-Pentane (See Pentane)	100 - 1,500 ppm	221SA	0.05 - 0.6%v

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Gastec - Sensidyne Detector Tube Cross Reference Guide

Gastec Tube No	Gas or Vapor to be Measured	Gastec Range	Best Sensidyne Match	
			Tube No.	Range
104	Pentane (n-Pentane)	110 - 1660 ppm	113SB	50 - 1000 ppm
105	Aliphatic Hydrocarbons (C-5 to C-10 & Higher)	100 - 3000 ppm	187S	50 - 1400 ppm
105	Heptane	90 - 2700 ppm	187S	75 - 2100 ppm
105	Hexane	80 - 2400 ppm	187S	50 - 1400 ppm
105	Hydrocarbons (C-5 to C-10)	100 - 3000 ppm Octane	187S	50 - 1400 ppm Hexane
105	Octane (n-Octane)	100 - 3000 ppm	187S	100 - 2800 ppm
105	Pentane (n-Pentane)	90 - 2700 ppm	187S	40 - 1120 ppm
106	Diesel Fuel	Qualitative	187S	Qualitative
106	Hexane	300 - 4000 ppm	113SB	50 - 1400 ppm
106	Hydrocarbons, Petroleum	0.05 - 28 mg/L	187S	50 - 1400 ppm Hexane
106	Kerosene	0.5 - 26 mg/L	187S	8 - 32 mg/L
107	Organic Gas Checker (Polytest, Polytec)	Qualitative	186	Qualitative
107	Screening Tube (Poly Test/Polytec/ Organic Gas Check)	Qualitative	186	Qualitative
109A	Oil Mist	0.3 - 1.5 mg/M3 (Airtec)	602SP	0.3 - 5 mg/M3 (CBA)
111	Methanol (Methyl Alcohol)	0.002 - 4.5%v	119SA	0.05 - 6%v
111L	Methanol (Methyl Alcohol)	20 - 1000 ppm	119U	20 - 1000 ppm
111LL	Methyl Acrylate	3 - 23 ppm	211U	5 - 60 ppm
112	Ethanol (Ethyl Alcohol)	0.01 - 7.5%v	104SA	0.05 - 5%v
113	Isopropanol (Isopropyl Alcohol or 2- Propanol)	0.02 - 5%v	122SA	0.05 - 2.5%v
113L	Ethylene Glycol Monobutyl Ether (Butyl Cellosolve)	60 - 640 ppm	190U	10 - 1000 ppm
113L	Ethylene Glycol Monoethyl Ether (Ethyl Cellosolve)	100 - 1200 ppm	190U	5 - 500 ppm
113L	Ethylene Glycol Monoethyl Ether Acetate (EGEEA)	6 - 96 ppm	190U	5 - 150 ppm
113L	Ethylene Glycol Monomethyl Ether (Methyl Cellosolve)	30 - 900 ppm	190U	5 - 500 ppm
113L	Isopropanol (Isopropyl Alcohol or 2- Propanol)	25 - 800 ppm	150U	20 - 1200 ppm
113L	Methyl Cellosolve (Ethylene Glycol Monomethyl Ether)	30 - 900 ppm	190U	5 - 500 ppm
115	1-Butanol (n-Butanol or n-Butyl Alcohol)	2.5 - 150 ppm	190U	5 - 100 ppm
115	2-Butanol (sec-Butanol or sec-Butyl Alcohol)	5 - 150 ppm	189U	4 - 300 ppm
116	Isobutyl Alcohol (Isobutanol)	5 - 150 ppm	208	5 - 100 ppm
117	Isopentyl Alcohol (Isoamyl Alcohol)	10 - 300 ppm	209U	5 - 100 ppm
118	Cyclohexanol	5 - 100 ppm	206U	5 - 500 ppm
119	Methyl Cyclohexanol	5 - 100 ppm	199U	5 - 200 ppm

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Note: Air Test, CBA, and Airtec indicate special kits
for compressed breathing air analysis

Gastec Tube No	Gas or Vapor to be Measured	Gastec Range	Best Sensidyne Match	
			Tube No.	Range
121	Benzene	2.5 - 120 ppm	118SC	1 - 100 ppm
121	Pinene (A-Pinene)	93 - 1140 ppm	158S	20 - 300 ppm
121L	Benzene	0.125 - 60 ppm		
121S	Benzene (Specific)	2 - 312 ppm	118SB	5 - 200 ppm
122	Ethyl Benzene	7 - 700 ppm	179S	10 - 500 ppm
122	Toluene	5 - 600 ppm	124SA	10 - 500 ppm
122L	Cumene (Isopropylbenzene)	2 - 100 ppm	111U	20 - 140 ppm
122L	Diethyl Benzene	2 - 150 ppm	111U	10 - 180 ppm
122L	Toluene	1 - 100 ppm	124SB	2 - 100 ppm
123	1,2,4-Trimethyl Benzene (Pseudocumene)	10 - 300 ppm	111U	20 - 250 ppm
123	Xylene (o-, m-, and p-Xylene)	5 - 500 ppm	143SB	5 - 200 ppm
124	Mineral Turpentine	0.25 - 12.65 mg/M3	187S	10 - 40 mg/L
124L	Styrene (Monostyrene)	2 - 100 ppm	158S	2.5 - 300 ppm
126	Chlorobenzene (Monochlorobenzene)	2 - 500 ppm	178SB	1 - 140 ppm
126L	Chlorobenzene (Monochlorobenzene)	0.5 - 43 ppm	178SB	1 - 140 ppm
127	p-Dichlorobenzene	50 - 700 ppm	215S	10 - 150 ppm
127	o-Dichlorobenzene	50 - 700 ppm	214S	5 - 100 ppm
128	Mineral Spirits	0.1 - 8 mg/L	187S	10 40 mg/L
131	Vinyl Chloride	0.025 - 2%v	132SA	0.05 - 1%v
131L	Vinyl Chloride	0.1 - 6.6 ppm	132SC	0.1 - 12 ppm
131LA	Allyl Chloride (3-Chloroprene)	25 - 250 ppm	132SC	1 - 40 ppm
131LA	1,2-Dichloropropane (Propylene Dichloride)	40 - 600 ppm	157SB	20 - 250 ppm
131LA	1,3-Dichloropropene	0.5 - 10 ppm	132SC	1 - 10 ppm
131LA	1,1,2,2-Tetrachloroethane	3 - 75 ppm	236S	5 - 50 ppm
132HA	Perchloroethylene (Tetrachloroethylene)	20 - 1300 ppm	135SH	0.05 - 2%v
132HH	Trichloroethylene	0.05 - 1%v	134SH	0.05 - 2%v
132L	Benzyl Chloride	0.5 - 25 ppm	132SC	1 - 16 ppm
132M	Trichloroethylene	2 - 250 ppm	134SA	5 - 300 ppm
133M	Perchloroethylene (Tetrachloroethylene)	2 - 250 ppm	135SA	5 - 300 ppm
132LL	Trichloroethylene	0.125 - 8.8 ppm	134SB	0.2 - 16 ppm
133LL	Perchloroethylene (Tetrachloroethylene)	0.1 - 9 ppm	135SB	0.2 - 10 ppm
134	Carbon Tetrachloride (Tetrachloromethane)	1 - 60 ppm	147S	0.5 - 60 ppm
134	Chloropicrin (Nitro-trichloromethane)	1 - 60 ppm	172S	0.05 - 16 ppm
135	Bromochloromethane (Chlorobromomethane)	60 - 300 ppm	157SB	5 - 400 ppm
135	1,1-Dichloroethane (Ethylidene Chloride)	30 - 1300 ppm	235S	10 - 160 ppm
135	Methyl Chloroform (1,1,1-Trichloroethane)	100 - 500 ppm	160S	15 - 400 ppm
135	1,1,2-Trichloroethane (Vinyl Trichloride)	220 - 1900 ppm	236S	10 - 100 ppm
135L	Ethylene Chloride (Ethylene Dichloride)	8 - 150 ppm	230S	5 - 50 ppm

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Gastec - Sensidyne Detector Tube Cross Reference Guide

Gastec Tube No	Gas or Vapor to be Measured	Gastec Range	Best Sensidyne Match	
			Tube No.	Range
135L	Methyl Chloroform (1,1,1-Trichloroethane)	20 - 200 ppm	160S	15 - 400 ppm
136H	Methyl Bromide (Bromomethane)	10 - 600 ppm	157SA	10 - 500 ppm
136L	Bromoethane (Ethyl Bromide)	2.5 - 200 ppm	157SB	20 - 400 ppm
136L	Bromoform	1 - 50 ppm	114	1 - 20 ppm
136L	Ethyl Bromide	2.5 - 200 ppm	157SB	20 - 400 ppm
136L	Ethylene Bromide (Ethylene Dibromide)	8 - 80 ppm	166S	1 - 50 ppm
136L	Methyl Bromide (Bromomethane)	2 - 200 ppm	157SB	0.4 - 80 ppm
136LA	Methyl Bromide (Bromomethane)	1 - 36 ppm	157SB	0.4 - 80 ppm
137	Chloroform (Trichloromethane)	4 - 400 ppm	152S	23 - 500 ppm
138	Methylene Chloride (See Dichloromethane)	25 - 1500 ppm	180S	10 - 1000 ppm
141	Ethyl Acetate	0.04 - 1.5%v	111SA	0.1 - 5 %v
111LL	Ethyl Acrylate	10 - 40 ppm	211U	5 - 60 ppm
141L	Isopropyl Ether	22.5 - 720 ppm	111U	30 - 800 ppm
141L	Mesityl Oxide	33.8 - 1080 ppm	190U	5 - 100 ppm
142	n-Butyl Acetate	200 - 3,000 ppm	139SB	0.01 - 1%v
			138U	10 - 400 ppm
142	Isobutyl Acetate	0.005 - 0.66%v	139SB	0.01 - 1.4%v
142L	Butyl Acrylate	5 - 65 ppm	211U	5 - 60 ppm
142L	Isobutyl Acrylate	2.6 - 78 ppm	211U	5 - 60 ppm
143	Vinyl Acetate	5 - 250 ppm	237S	5 - 120 ppm
144	Isobutyl Acetate	10 - 300 ppm	153U	10 - 400 ppm
145	Propyl Acetate (n-Propyl Acetate)	20 - 500 ppm	151U	20 - 1000 ppm
146	Isopropyl Acetate	25 - 500 ppm	111U	10 - 1000 ppm
147	Amyl Acetate (Pentyl Acetate)	10 - 200 ppm	210U	10 - 200 ppm
148	Isoamyl Acetate	10 - 200 ppm	188U	10 - 400 ppm
149	Methyl Methacrylate	10 - 500 ppm	184S	10 - 160 ppm
151	Acetone	0.01 - 2.0%v	102SA	0.1 - 5.0%v
151	Cyclohexene	100 - 1000 ppm	111U	20 - 300 ppm
151	Isopropyl Acetate	0.05 - 0.75%v	139SB	0.01 - 1.2%v
151	Propyl Acetate (n-Propyl Acetate)	0.06 - 0.9%v	139SB	0.01 - 1.4%v
151L	Methyl Ethyl Ketone (MEK or 2-Butanone)	21 - 1680 ppm	139 U	20 - 1500 ppm
151L	Acetone	50 - 12,000 ppm	102SB	0.01 - 4.0%v
			102SD	20 - 5000 ppm
152	Methyl Ethyl Ketone (MEK or 2-Butanone)	0.02 - 0.6%v	139SB	0.01 - 1.4%v
153	Methyl Isobutyl Ketone (Hexone or MIBK)	0.01 - 0.6%v	122SA	0.01 - 0.6%v
154	Cyclohexanone	2 - 60 ppm	197U	2 - 100 ppm
154	Diacetone Alcohol	5 - 150 ppm	190U	10 - 250 ppm
154	Furfural (Furfuraldehyde)	0.6 - 16.5 ppm	190U	2 - 60 ppm
154	Isophorone	2 - 60 ppm	197U	5 - 80 ppm
155	Methyl Cyclohexanone	2 - 100 ppm	198U	2 - 100 ppm

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Gastec - Sensidyne Detector Tube Cross Reference Guide

Gastec Tube No	Gas or Vapor to be Measured	Gastec Range	Best Sensidyne Match	
			Tube No.	Range
159	Dioxane (1,4-Dioxane or Diethylene Dioxide)	25 - 140 ppm	119U	20 - 500 ppm
159	Tetrahydrofuran	20 - 800 ppm	162U	20 - 400 ppm
161	Diethyl Ether (Ethyl Ether)	0.04 - 1.0%v	107SA	0.04 - 1.4%v
161	Dimethyl Ether (Methyl Ether)	0.03 - 0.9%v	123S	0.01 - 1.2%v
161	Ether (Ethyl Ether)	0.04 - 1.0%v	107SA	0.04 - 1.4%v
161	Ethyl Ether (Diethyl Ether)	0.04 - 1.0%v	107SA	0.04 - 1.4%v
161	Tetrahydrofuran	0.01 - 0.8%v	102SA	0.2 - 5%v
161	Toluene	0.02 - 0.85%v	124SH	100 - 3000 ppm
161L	Diethyl Ether (Ethyl Ether)	10 - 1200 ppm	107U	20 - 400 ppm
161L	Ether (Ethyl Ether)	10 - 1200 ppm	107U	20 - 400 ppm
161L	Ethyl Ether (Diethyl Ether)	10 - 1200 ppm	107U	20 - 400 ppm
163	Dioxane (1,4-Dioxane or Diethylene Dioxide)	0.6 - 5.6%v	139SB	0.05 - 2.5%v
163	Ethylene Oxide (Oxirane)	0.05 - 3%v	122SA	0.01 - 4%v
163	Propylene Oxide	0.3 - 3.6%v	163SA	0.05 - 5%v
163L	Epichlorohydrin (1-Chloro-2,3-Epoxypropane)	0.5 - 130 ppm	192S	5 - 50 ppm
163L	Ethylene Oxide (Oxirane)	0.4 - 100 ppm	122SB	5 - 100 ppm
163L	Propylene Oxide	0.4 - 100 ppm	122SC	3 - 70 ppm
165L	Ethylene Glycol	10 - 150 mg/M3	232SA	20 - 250 mg/M3
			232SB	3 - 40 mg/M3
172	Acetylene	32.5 - 1040 ppm	101S	50 - 1000 ppm
172	Ethylene (Ethene)	25 - 800 ppm	108SA	20 - 1200 ppm
172L	Ethylene (Ethene)	0.2 - 50 ppm	108B	0.1 - 100 ppm
174	1,3-Butadiene	50 - 800 ppm	168SB	30 - 600 ppm
174L	1,3-Butadiene	2.5 - 100 ppm	168SC	2.5 - 100 ppm
180	Butyl Amine (n-Butylamine)	8 - 160ppm	105SD	4 - 300ppm
180	Ethanolamine (Monoethanolamine or 2-Aminoethanol)	7 - 140 ppm	224SA	0.5 - 50 ppm
180	Methyl Amine	5 - 60 ppm	227S	1 - 20 ppm
180	Triethylamine	4.5 - 90 ppm	213S	1 - 20 ppm
180	Trimethyl Amine	3.5 - 70 ppm	222S	1 - 20 ppm
180L	Di-n-Butylamine	0.4 - 8 ppm	105SD	2 - 20 ppm
180L	Cyclohexylamine	0.5 - 10 ppm	105SD	1 - 20 ppm
180L	Diethyl Amine (Diethylamine)	0.45 - 9 ppm	222S	1 - 20 ppm
180L	Diisopropylamine	0.3 - 6 ppm	105SD	1 - 16 ppm
180L	Dimethylamine (Dimethyl Amine)	0.45 - 9 ppm	227S	1 - 20 ppm
180L	Ethanolamine (Monoethanolamine or 2-Aminoethanol)	1.95 - 39 ppm	224SA	0.5 - 50 ppm
180L	Ethyl Amine (Ethylamine)	0.45 - 9 ppm	227S	1 - 20 ppm
180L	Isopropyl Amine (2-Aminopropane)	0.45 - 9 ppm	222S	1 - 12 ppm

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Gastec Tube No	Gas or Vapor to be Measured	Gastec Range	Best Sensidyne Match	
			Tube No.	Range
180L	Methyl Amine	0.5 - 10 ppm	227S	1 - 20 ppm
180L	Morpholine	0.5 - 10 ppm	105SD	2 - 22 ppm
180L	Propyl Amine	0.5 - 10 ppm	105SD	1 - 20 ppm
180L	Trimethyl Amine	0.25 - 5 ppm	222S	1 - 20 ppm
181	Aniline (Aminobenzene)	1.25 - 60 ppm	181S	1 - 30 ppm
181	Methyl Aniline	3.5 - 42 ppm	105SD	0.5 - 6 ppm
181	o-Toluidine	2.5 - 35 ppm	105SD	2 - 22 ppm
182	Pyridine	0.2 - 35 ppm	105SD	0.1 - 10 ppm
183	Dimethyl Formamide (N,N-Dimethylformamide)	0.8 - 90 ppm	196S	1 - 30 ppm
184	Dimethyl Acetamide (N,N-Dimethylacetamide)	1.5 - 240 ppm	229S	5 - 70 ppm
185	Hydrazine	0.05 - 2 ppm	219S	0.05 - 10 ppm
185	Methyl Hydrazine	2 - 12 ppm	216S	0.1 - 6 ppm
191	Acrylonitrile (Vinyl Cyanide)	2 - 360 ppm	128SC	1 - 120 ppm
191L	Acrylonitrile (Vinyl Cyanide)	0.1 - 18 ppm	128SD	0.25 - 20 ppm
501	Air Current (Smoke Tubes)	N/A	5100	N/A

Detector Tube Cross Reference Guide

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SENSIDYNE DETECTOR TUBES: NUMERICAL LISTING

No.	Gas (Range)	No.	Gas (Range)	No.	Gas (Range)	No.	Gas (Range)
101S	Acetylene (50-1000 ppm)	120UT	Hydrogen Sulfide (2.5-40 %v)	157SA	Methyl Bromide (10-500 ppm)	200SB	Sulfide Ion (0.5-10 ppm)
102SA	Acetone (0.1-5.0 %v)	121SC	Phosphine (20-700 ppm)	157SB	Methyl Bromide (0.4-80 ppm)	201SA	Chloride Ion (10-2000 ppm)
102SC	Acetone (0.01-4.0 %v)	121SD	Phosphine (0.25-20 ppm)	157SC	Methyl Bromide (0.5-10 ppm)	201SB	Chloride Ion (3-200 ppm)
102SD	Acetone (20-5000 ppm)	121SH	Phosphine (100-3200 ppm)	158S	Styrene (2.5-300 ppm)	202	Iron Ion (50-400 ppm)
103SA	Sulfur Dioxide (0.1-3.0 %v)	121U	Phosphine & Arsine (0.05-2.0 ppm)	159SC	Oxygen (1.5-24 %v)	203S	Copper Ion (1-100 ppm)
103SB	Sulfur Dioxide (0.02-0.3 %v)	122SA	Ethylene Oxide (0.01-4 %v)	160S	Methyl Chloroform (15-400 ppm)	204S	Cyanide Ion (0.2-5 ppm)
103SC	Sulfur Dioxide (20-300 ppm)	122SB	Ethylene Oxide (5-100 ppm)	162U	Tetrahydrofuran (20-400 ppm)	205SL	Salinity (0.01-0.8 %v)
103SD	Sulfur Dioxide (1-60 ppm)	122SC	Ethylene Oxide (1-15 ppm)	163SA	Propylene Oxide (0.05-5.0 %v)	206U	Cyclohexanol (5-500 ppm)
103SE	Sulfur Dioxide (0.25-10 ppm)			164SA	Methyl Mercaptan (5-140 ppm)	208U	Isobutyl Alcohol (5-100 ppm)
103SF	SO ₂ [in flue gas] (0.02-0.3 %v)	122SM	Ethylene Oxide (5-100 ppm)	164SH	Methyl Mercaptan (50-2400 ppm)	209U	Isopentyl Alcohol (5-100 ppm)
104SA	Ethyl Alcohol (0.05-5.0 %v)	123S	Dimethyl Ether (0.01-1.2 %v)	165SA	Ethyl Mercaptan (1-160 ppm)	210U	Pentyl Acetate (10-200 ppm)
105SA	Ammonia (0.5-10.0 %v)	124SA	Toluene (10-500 ppm)	165SB	Ethyl Mercaptan [in LP Gas] (2.5-80 ppm)	211U	Ethyl & Butyl & Isobutyl Acrylate (5-60 ppm)
105SB	Ammonia (50-900 ppm)	124SB	Toluene (2-100 ppm)	166S	Ethylene Dibromide (1-50 ppm)	213S	Triethylamine (1-20 ppm)
105SC	Ammonia (5-260 ppm)	124SH	Toluene (100-3000 ppm)	167S	Hydrogen Selenide (1-600 ppm)	214S	o-Dichlorobenzene (5-100 ppm)
105SD	Ammonia (0.2-20 ppm)	125SA	Propane (0.02-0.5 %v)	168SA	Butadiene (0.03-2.6 %v)	215S	p-Dichlorobenzene (10-150 ppm)
105SH	Ammonia (0.5-30 %v)	126B	Carbon Dioxide (100-7000 ppm)	168SB	Butadiene (30-600 ppm)	216S	Acetic Acid (1-50 ppm)
105SM	Ammonia (0.1-1.0 %v)	126SA	Carbon Dioxide (0.1-2.6 %v)	168SC	Butadiene (2.5-100 ppm)	219S	Hydrazine (0.05-10 ppm)
106S	Carbon Monoxide (10-250 ppm)	126SB	Carbon Dioxide (0.05-1.0 %v)	169S	Chloroprene (0.5-20 ppm)	221SA	n-Butane (0.05-0.6 %v)
106SA	Carbon Monoxide (5-1000 ppm)	126SF	Carbon Dioxide (100-4000 ppm)	171SA	Formaldehyde (20-1500 ppm)	222S	Diethyl & Trimethyl Amine (1-20 ppm)
106SC	Carbon Monoxide (1-50 ppm)	126SG	Carbon Dioxide (0.02-1.4%)	171SB	Formaldehyde (1-35 ppm)	223S	2,2-Dichloroethyl Ether (2-30 ppm)
106SH	Carbon Monoxide (0.1-2.0 %v)	126SH	Carbon Dioxide (1.0-20.0 %v)	171SC	Formaldehyde (0.05-4 ppm)	224SA	Monoethanol Amine (0.5-50 ppm)
106UH	Carbon Monoxide (0.1-20 %v)	126UH	Carbon Dioxide (5-50 %v)	172S	Chloropicrin (0.05-16 ppm)	227S	Dimethyl & Ethyl & Methyl Amine (1-20 ppm)
107SA	Diethyl Ether (0.04-1.4 %v)	128SA	Acrylonitrile (0.1-3.5 %v)	173SA	Hydrogen Chloride (20-1200 ppm)	229S	N,N-Dimethylacetamide (5-70 ppm)
107U	Diethyl Ether (20-400 ppm)	128SC	Acrylonitrile (1-120 ppm)	173SB	Hydrogen Chloride (0.4-40 ppm)	230S	1,2-Dichloroethane (5-50 ppm)
108B	Ethylene (0.1-100 ppm)	128SD	Acrylonitrile (0.25-20 ppm)	174A	NO & NO ₂ (NO: 10-300 ppm, NO ₂ : 1-40 ppm)	232SA	Ethylene Glycol (20-250 mg/M ³)
108SA	Ethylene (20-1200 ppm)	129	Nickel Carbonyl (20-700 ppm)	174B	NO & NO ₂ [flue] (NO: 10-300 ppm, NO ₂ : 1-40 ppm)	232SB	Ethylene Glycol (3-40 mg/M ³)
109SA	Chlorine (1-40 ppm)	130U	Mercaptans (0.5-10 ppm)	175SA	Nitrogen Oxides (20-250 ppm)	233S	Nitric Acid Vapor (1-20 ppm)
109SB	Chlorine (0.1-10 ppm)	131	Inorganic gases (Qualitative)	175SH	Nitrogen Oxides (100-2500 ppm)	234SA	Chlorine (free residual) (0.4-5 ppm)
109U	Chlorine (0.05-2 ppm)	132SA	Vinyl Chloride (0.05-1 %v)	175U	Nitrogen Oxides (0.5-30 ppm)	235S	1,1-Dichloroethane (10-160 ppm)
110S	Gasoline (0.05-0.6 %v)	132SB	Vinyl Chloride (5-500 ppm)	176S	Methyl Iodide (5-40 ppm)	236S	1,1,2-Trichloroethane (10-100 ppm)
111SA	Ethyl Acetate (0.1-5.0 %v)	132SC	Vinyl Chloride (0.1-12 ppm)	177SA	Water Vapor (1.7-33.8 mg/l)	237S	Vinyl Acetate (5-120 ppm)
111U	Isopropyl & Ethyl Acetate (10-1000 ppm)	133A	Acetaldehyde (0.004-1 %v)	177U	Water Vapor (0.05-2.0 mg/l)	238S	Furfuryl Alcohol (2-25 ppm)
112SA	Hydrogen Cyanide (0.01-3.0 %v)	133SB	Acetaldehyde (5-140 ppm)	177UL	Water Vapor (3-80 lb/MMCF)	239S	Carbonyl Sulfide (5-60 ppm)
112SB	Hydrogen Cyanide (0.5-100 ppm)	134SA	Trichloroethylene (5-300 ppm)	177UR	Water Vapor (2-12 lb/MMCF)	240S	Silane (0.5-50 ppm)
113SA	n-Hexane (0.05-0.6 %v)	134SB	Trichloroethylene (0.2-16 ppm)	178SB	Chlorobenzene (1-140 ppm)	242S	Diborane (0.02-5 ppm)
113SB	n-Hexane (50-1400 ppm)	134SH	Trichloroethylene (0.05-2 %v)	179S	Ethyl Benzene (10-500 ppm)	243U	Tetraethoxysilane (5-200 ppm)
113SC	n-Hexane (5-800 ppm)	135SA	Tetrachloroethylene (5-300 ppm)	180S	Dichloromethane (10-1000 ppm)	244U	Sulfuric Acid (0.5-5 mg/M ³)
114	Bromine (1-20 ppm)	135SB	Tetrachloroethylene (0.2-10 ppm)	181S	Aniline (1-30 ppm)	247U	Hydrogen Peroxide (0.5-10 ppm)
115S	Cyclohexane (0.01-0.6 %v)	135SH	Tetrachloroethylene (0.05-2 %v)	182SA	Ozone (50-1000 ppm)	280S	Acetylene & Ethylene (20-2000 ppm [Acet], 200-2000 ppm [Ethyl])
116	Chlorine Dioxide (1-20 ppm)	136	Acrolein (0.005-1.8 %v)	182SB	Ozone (2.5-100 ppm)	281S	Oxygen & CO ₂ (2-10 %v / 1-20 %v)
117SA	Nitrogen Dioxide (20-1000 ppm)	137U	Hydrogen (0.05-0.8 %v)	182U	Ozone (0.025-3.0 ppm)	282S	H ₂ S & Mercaptans (1-30 ppm)
117SB	Nitrogen Dioxide (0.5-30 ppm)	138U	Butyl Acetate (10-400 ppm)	183U	Phenol & Cresol (0.5-25 ppm)	290P	Hydrocarbons [Arson] (Qualitative)
117SC	Nitrogen Dioxide (0.1-1.0 ppm)	139SB	Dioxane (0.05-2.5 %v) & Methyl Ethyl Ketone (0.01-1.4 %v)	184U	Methyl Methacrylate (10-160 ppm)		
118SB	Benzene, presence HC (5-200 ppm)	139U	Methyl Ethyl Ketone (20-1500 ppm)	185S	Propylene (50-1000 ppm)		
118SC	Benzene (1-100 ppm)	140SA	Arsine (5-160 ppm)	186	Organic compounds (5-2500 ppm)		
118SD	Benzene (0.1-75 ppm)	141SA	Carbon Disulfide (30-500 ppm)	186B	Organic gases (Qualitative)		
118SE	Benzene (0.2-80 ppm)	141SB	Carbon Disulfide (0.8-50 ppm)	187S	General Hydrocarbons (50-1400 ppm)		
119SA	Methyl Alcohol (0.05-6.0 %v)	142S	Mercury Vapor (0.1-10 mg/M ³)	188U	Isoamyl Acetate (10-400 ppm)		
119U	Methyl Alcohol (20-1000 ppm)	143SA	Xylene (5-1000 ppm)	189U	2-Butanol (4-300 ppm)		
120GR	Hydrogen Sulfide (0.025-0.4 gr/100CF)	143SB	Xylene (5-200 ppm)	190U	Ethyl & Methyl Cellosolve (5-500 ppm)		
120GT	Hydrogen Sulfide (0.25-4 gr/100CF)	145S	1,2-Dichloroethylene (5-400 ppm)	192S	Epichlorohydrin (5-50 ppm)		
120SB	Hydrogen Sulfide (0.75-300 ppm)	146S	Phosgene (0.1-20 ppm)	193S	Methyl Styrene (10-500 ppm)		
120SC	H ₂ S presence of SO ₂ (0.005-0.16 %v)	147S	Carbon Tetrachloride (0.5-60 ppm)	194S	1,3-Dichloropropane (10-500 ppm)		
120SD	Hydrogen Sulfide (1-60 ppm)	150U	Isopropyl Alcohol (20-1200 ppm)	196S	N,N-Dimethyl Formamide (1-30 ppm)		
120SE	Hydrogen Sulfide (0.5-40 ppm)	151U	Propyl Acetate (20-1000 ppm)	197U	Cyclohexanone (2-100 ppm)		
120SF	Hydrogen Sulfide (25-2000 ppm)	152S	Chloroform (23-500 ppm)	198U	Methyl Cyclohexane (2-100 ppm)		
120SH	Hydrogen Sulfide (0.1-4.0 %v)	153U	Isobutyl Acetate (10-400 ppm)	199U	Methyl Cyclohexanol (5-200 ppm)		
120SM	Hydrogen Sulfide (0.05-1.2 %v)	155U	Methyl Isobutyl ketone (5-300 ppm)	200SA	Sulfide Ion (2-1000 ppm)		
120U	Hydrogen Sulfide (0.2-6.0 ppm)	156S	Hydrogen Fluoride (0.25-30 ppm)				
120UH	Hydrogen Sulfide (2-20 %v)						



SENSIDYNE KITS & ACCESSORIES

Hazardous Material Detection Kit

The Sensidyne Hazmat III Kit is a portable hazardous material detection kit that is lightweight, rugged, and capable of on-the-spot detection of numerous airborne contaminants. The kit utilizes a unique two-step approach for rapid identification of airborne contaminants. The Primary test uses two unique multi-stage qualitative tubes and a special color chart to determine nearly 70 compounds in as little as 2–3 minutes. The kit requires no electrical power or user calibration and comes with a hard-shell, corrosion-resistant polyethylene case.

PN° 7013627 Deluxe Hazmat III Kit

Soil Sampling Kit

Field screening for contaminated soil is fast and easy using the Sensidyne Soil Sampling Kit. A hand operated boring tool is used to make a three foot deep hole in the soil just large enough to accept a special sampling probe with a detector tube inserted. A direct reading vapor zone sample is then made using the hand pump and any one of numerous detector tubes.

PN° 7013373 Soil Sampling Kit

One-Hand Adapter

The one-hand adapter for the Sensidyne Pump is ideal for one hand sampling from a ladder or into hard-to-reach places. With the adapter installed and a tube inserted, the pump handle can be drawn and locked without actually taking a sample. The pump can then be extended into the sampling area and activated with one hand.

Extension Hose

An extension hose of either 5 meters or 10 meters in length is available for use in confined space entry, as well as a rigid telescoping extension probe with up to 10 working feet of length. The design of the tube holder at the free end of the hose permits a gas-tight fitting. Since the detector tube is located at the sampling end of the hose, there is no need to allow for the volume of air in the hose line.

PN° 830-1001-01 5m Hose

PN° 830-1002-01 10m Hose

PN° 830-1003-01 10ft Telescoping Probe

Hot Probe

The Hot Probe allows sampling of gases at elevated temperatures for applications such as auto exhaust or stack emissions testing. The Hot Probe rapidly cools the gas before it enters the detector tube.

PN° 7013602 Hot Probe

Compressed Breathing Air Analysis Kit

The Sensidyne Compressed Breathing Air (CBA) Analysis Kit allows anyone to simply, quickly, and quantitatively measure the quality of their compressed breathing air. Easy to use, the CBA Kit is an accurate and precise method for detecting carbon monoxide, carbon dioxide, oil mist, oxygen, and water vapor (*specific tubes not included*). The CBA Kit measures all four of the common contaminants in breathing air, plus oxygen deficiency. With the CBA Kit, the measurement is quick and simple and doesn't require user calibration.

PN° 7015406 CBA Analysis Kit

Tube Tip Breaker/Cutter

The Tube Tip Breaker/Cutter (PN° 7013601) is a convenient container for cutting and breaking detector tubes.

SENSIDYNE®

“The Standard for Professionals”™

Sensidyne manufactures, supplies, and services gas detection and air sampling pumps that are characterized by their ease of use, durability, accuracy, and economical cost.

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