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Product List

Special Gas Sensors(customized service)

CAS NO.	Target Gas		Detection Range	WARN	TLV
	Combustible Gases	%LEL	0-100%LEL	12.5%LEL	25%LEL
	Combustible Gases	ppm	0-1000ppm	125ppm	250ppm
	Freons	Freons	0-5000ppm	500ppm	1000ppm
7784-42-1	Arsine	AsH ₃	0-0.2ppm	0.025ppm	0.05ppm
19287-45-7	Diborane	B ₂ H ₆	0-0.4ppm	0.05ppm	0.1ppm
13818-89-8	Digermane	Ge ₂ H ₆	0-0.4ppm	0.05ppm	0.1ppm
7803-52-3	Stibine	SbH ₃	0-0.2ppm	0.025ppm	0.05ppm
7782-50-5	Chlorine	CL ₂	0-2.0ppm	0.25ppm	0.5ppm
7726-95-6	Bromide	Br ₂	0-0.4ppm	0.05ppm	0.1ppm
10049-04-4	Chlorine Dioxide	CLO ₂	0-0.4ppm	0.05ppm	0.1ppm
7782-41-4	Fluorine	F ₂	0-4.0ppm	0.5ppm	1.0ppm
13709-61-0	Xenon Difluoride	XeF ₂	0-2.0ppm	0.25ppm	0.5ppm
630-08-0	Carbon Monoxide	CO	0-100ppm	12.5ppm	25.0ppm
78-10-4	Tetraethylorthosilicate	TEOS	0-40.0ppm	5.0ppm	10.0ppm
124-38-9	Carbon dioxide	CO ₂	0-2.0%voL	0.25%VoL	0.5%VoL
75-44-5	Phosgene	COCl ₂	0-1.0ppm	0.05ppm	0.1ppm
75-21-8	Ethylene Oxide	CH ₂ CH ₂ O	0-4.0ppm	0.5ppm	1.0ppm

64-17-5	Ethanol	C ₂ H ₅ OH	0-5000ppm	500ppm	1000ppm
67-56-1	Methanol	CH ₃ OH	0-1000ppm	100ppm	200ppm
67-63-0	Isopropanol	(CH ₃) ₂ CHOH	0-1000ppm	200ppm	400ppm
50-00-0	Formaldehyde	HCHO	0-8.0ppm	1.0ppm	2.0ppm
115-11-7	Isobutylene	(CH ₃) ₂ C=CH ₂	0-200ppm	20ppm	40ppm
106-99-0	1,3-butadiene	CH ₂ CHCHCH ₂	0-200ppm	20ppm	40ppm
74-85-1	Ethylene	CH ₂ =CH ₂	0-400ppm	40ppm	80ppm
115-07-1	Propylene	CH ₃ -CH=CH ₂	0-200ppm	25ppm	50ppm
75-01-4	vinyl chloride	VCM	0-20ppm	2.5ppm	5.0ppm
141-78-6	Ethyl acetate	CH ₃ COOCH=CH ₂	0-1000ppm	200ppm	400ppm
64-18-6	formic acid	HCOOH	0-20ppm	2.5ppm	5.0ppm
107-13-1	Acrylontrile	CH ₂ CHCN	0-8.0ppm	1.0ppm	2.0ppm
107-02-8	acrolein	C ₃ H ₄ O	0-0.4ppm	0.05ppm	0.1ppm
60-29-7	Ethyl ether	C ₂ H ₅ OC ₂ H ₅	0-1000ppm	200ppm	400ppm
133-74-0	Hydrogen	H ₂	0-1000ppm	125ppm	250ppm
7783-06-4	Hydrogen Sulfide	H ₂ S	0-100ppm	5.0ppm	10.0ppm
7783/7/5	Hydrogen Selenide	H ₂ Se	0-0.2ppm	0.025ppm	0.05ppm
7647-01-0	Hydrogen Chloride	HCl	0-8.0ppm	1.0ppm	2.0ppm
7784-34-1	Arsenic Trechloride	AsCl ₃	0-0.02ppm	0.0025ppm	0.005ppm
10294-33-4	Boron Tribromide	BBr ₃	0-0.4ppm	0.5ppm	1.0ppm
10294-34-5	Boron Trechloride	BCl ₃	0-8.0ppm	1.0ppm	1.9ppm
4109-96-0	Dichlorosilane	SiH ₂ Cl ₂	0-8.0ppm	1.0ppm	2.0ppm
7647-18-9	Antimony Pentachloride	SbCl ₅	0.08ppm	0.01ppm	0.02ppm
7783-90-6	Mercury(II) Chloride	HgCl ₂	0.1ppm	0.0125ppm	0.025ppm
10038-98-9	Germanium Tetrachloride	GeCl ₄	0-8.0ppm	1.0ppm	2.0ppm
13465-77-5	Hexachlorodisilane	Si ₂ Cl ₆	0-8.0ppm	1.0ppm	2.0ppm
10035-10-6	Hydrogen Bromide	HBr	0-8.0ppm	1.0ppm	2.0ppm

10025-87-3	Phosphorous Oxychloride	POCl ₃	20.0ppm	2.5ppm	5.0ppm
7719/12/2	Phosphorous Trechloride	PCl ₃	0-8.0ppm	1.0ppm	2.0ppm
10026-13-8	Phosphorous Pentachloride	PCl ₅	0-8.0ppm	1.0ppm	2.0ppm
7791-20-0	Nickel dichloride	NiCl ₂	0.2ppm	0.025ppm	0.05ppm
10026-04-7	Silicon Tetrachloride	SiCl ₄	0-8.0ppm	1.0ppm	2.0ppm
10026-06-9	Tin Tetrachloride	SnCl ₄	0-8.0ppm	1.0ppm	2.0ppm
7550-45-0	Tianium Tetrachloride	TiCl ₄	0-8.0ppm	1.0ppm	2.0ppm
10025-78-2	Trichlorosilane	SiHCl ₃	0-8.0ppm	1.0ppm	2.0ppm
74-88-4	iodomethane	CH ₃ I	0.6ppm	0.075ppm	0.15ppm
127-18-4	tetrachloroethylene	C ₂ Cl ₄	100.0ppm	12.5ppm	25.0ppm
56-23-5	carbon tetrachloride	CCL ₄	10.0ppm	2.5ppm	5.0ppm
67-66-3	Trichloromethane	CHCL ₃	40.0ppm	5.0ppm	10.0ppm
7789-60-8	Phosphorous Tribromide	PBr ₃	0-8.0ppm	1.0ppm	2.0ppm
10294-33-4	Diborane Triphosphoide	BBr ₃	0-8.0ppm	1.0ppm	2.0ppm
156-59-2	1,2-dichloroethylene	1,2-C ₂ H ₂ CL ₂	0-8.0ppm	1.0ppm	2.0ppm
7664-39-3	Hydrogen Fluoride	HF	12.0ppm	1.5ppm	3.0ppm
7784-35-2	Arsenic Trifluoride	AsF ₃	0.025ppm	0.003ppm	0.006ppm
7637-07-2	Boron Trifluoride	BF ₃	4.0ppm	0.5ppm	1.0ppm
353-50-4	Carbonyl Fluoride	COF ₂	8.0ppm	1.0ppm	2.0ppm
7790-91-2	Chlorine Trifluoride	ClF ₃	0.4ppm	0.05ppm	0.1ppm
75-10-5	Difluoromethane	CH ₂ F ₂	240.0ppm	30.0ppm	60.0ppm
7783-58-6	Germanium Tetrafluoride	GeF ₄	12.0ppm	1.5ppm	3.0ppm
685-63-2	Hexafluoro12,3-butadiene	C ₄ F ₆	40.0ppm	5.0ppm	10.0ppm
593-59-3	Methyl Fluoride	CH ₃ F	120.0ppm	15.0ppm	30.0ppm
7783-77-9	Molybdenum Hexafluoride	MOF ₆	2.0ppm	0.25ppm	0.5ppm
7783-54-2	Nitrogen Trifluoride	NF ₃	40.0ppm	5.0ppm	10.0ppm
115-25-3	Octafluorocyclobutane	C ₄ F ₈	40.0ppm	5.0ppm	10.0ppm

7783-55-3	Phosphorous Trifluoride	PF3	2.0ppm	0.25ppm	0.5ppm
7783-61-1	Silicon Tetrafluoride	SiF4	2.0ppm	0.25ppm	0.5ppm
7783-41-7	Sulfur Tetrafluoride	SF4	0.4ppm	0.05ppm	0.1ppm
7783-71-3	Tantalum Fluoride	TaF5	2.0ppm	0.25ppm	0.5ppm
7783-82-6	Tungsten Hexafluoride	WF6	10.0ppm	1.3ppm	2.5ppm
76-16-4	Hexafluoroethane	C2F6	120.0ppm	15.0ppm	30.0ppm
75-63-8	Bromotrifluoromethane	CBrF3	4000ppm	500ppm	1000ppm
559-40-0	Opentene	C5F8	40.0ppm	5.0ppm	10.0ppm
75-46-7	Trifluoromethane	CHF3	1000ppm	160ppm	320ppm
2551-62-4	Sulfur Hexafluoride	SF6	4000ppm	500ppm	1000ppm
74-90-8	Hydrogen Cyanide	HCN	20.0ppm	2.5ppm	4.7ppm
7664-41-7	Ammonia	NH3	100.0ppm	12.5ppm	25.0ppm
10102-43-9	Nitric Oxide	NO	100.0ppm	12.5ppm	25.0ppm
10102-44-0	Nitrogen Dioxide	NO2	0.8ppm	0.1ppm	0.2ppm
10028-97-2	nitrous oxide	N2O	200.0ppm	25.0ppm	50.0ppm
7782-44-7	Oxygen Deficiency	O2	25%VoL	18.0%VoL	22.0%VoL
10028-15-6	Ozone	O3	0.2ppm	0.025ppm	0.05ppm
7803-51-2	Phosphine	PH3	1.2ppm	0.15ppm	0.3ppm
7803-62-5	Silane	SiH4	20.0ppm	2.5ppm	5.0ppm
1111-74-6	Dimethylsilane	SiH2(CH3)2	20.0ppm	2.5ppm	5.0ppm
1590-87-0	Disilane	Si2H6	20.0ppm	2.5ppm	5.0ppm
7782-65-2	Germane	GeH4	0.8ppm	0.1ppm	0.2ppm
7446/9/5	Sulfur dioxide	SO2	8.0ppm	1.0ppm	2.0ppm

Target Gas	Formula	TLV-TWA
Acrylonitrile	CH ₂ CHCN	2ppm
Acrolein	C ₃ H ₄ O	0.1ppm
Ammonia	NH ₃	25ppm
Antimony Pentachloride	SbCl ₅	2ppm
Arsenic Pentachloride	AsCl ₅	2ppm
Arsenic Pentafluoride	AsF ₅	2ppm
Arsenic Trechloride	AsCL3	2ppm
Arsenic Trifluoride	AsF ₃	2ppm
Arsine	AsH ₃	0.05ppm
Boron Tribromide	BBr3	1ppm
Boron Trichloride	BCL ₃	2ppm
Boron Trifluoride	BF ₃	2ppm
Bromotrifluoromethane	CBrF ₃	1000ppm
Bromine	Br ₂	0.1ppm
Butadiene	CH ₂ CHCHCH ₂	40ppm
Carbon dioxide	CO ₂	5000ppm
Carbon Monoxide	CO	25ppm
Carbonyl Fluoride	COF ₂	2ppm
Chlorine	CL ₂	0.5ppm
Chlorine Dioxide	CLO ₂	0.1ppm
Carbon tetrachloride	CCL ₄	2ppm
Chlorine Trifluoride	CLF ₃	0.1ppm
Diborane	B ₂ H ₆	0.1ppm
Dichloroethane (DCE)	C ₂ H ₄ CL ₂	5.7ppm
Dichlorosilane	SiH ₂ CL ₂	2ppm

Diethyl amine (DEA)	$C_4H_{11}N$	5ppm
Difluoromethan (R32)	CH_2F_2	60ppm
Difluoroethylene	$C_2H_2F_2$	1000ppm
Dimethyl amine (DMA)	C_2H_7N	5ppm
Dimethylsilane	$SiH_2(CH_3)_2$	5ppm
Disilane	Si_2H_6	5ppm
Ethanol	C_2H_5OH	1000ppm
Ethyl acetate	$CH_3COOCH=CH_2$	400ppm
Ethylene	$CH_2=CH_2$	500ppm
Ethylene Oxide (EO)	CH_2CH_2O	1ppm
Ethyl ether	$C_2H_5OC_2H_5$	400ppm
Fluosilicic Acid	H_2SiF_5	3ppm
Flurine	F_2	1ppm
Formaldehyde	$HCHO$	2ppm
Formic acid	$HCOOH$	5ppm
Germane	GeH_4	0.2ppm
Germanium Tetrachloride	$GeCl_4$	2ppm
Germanium Tetrafluoride	GeF_4	2ppm
Hexachlorodisilane	Si_2Cl_6	2ppm
Hexafluoro1,2,3-butadiene	C_4F_6	10ppm
Hexafluoroethane	C_2F_6	30ppm
Hydrogen	H_2	500ppm
Hydrogen Bromide	HBr	2ppm
Hydrogen Chlorine	HCL	2ppm
Hydrogen Cyanide	HCN	4.7ppm
Hydrogen Flurine	HF	2ppm

Hydrogen Iodide	HI	No Data
Hydrogen Peroxide	H ₂ O ₂	1ppm
Hydrogen Selenide	H ₂ Se	0.05ppm
Hydrogen Sulfur	H ₂ S	10ppm
Iodomethane	CH ₃ I	0.15ppm
Isobutylene	(CH ₃) ₂ C=CH ₂	40ppm
Isopropanol	(CH ₃) ₂ CHOH	400ppm
Methanol	CH ₃ OH	200ppm
Mercury(II) Chloride	HgCl ₂	2ppm
Methyl Fluoride	CH ₃ F	30ppm
Molybdenum Hexafluoride	MoF ₆	2ppm
Monomethyl amine (MMA)	CH ₃ NH ₂	5ppm
Nitric Acid	HNO ₃	2ppm
Nitrogen Dioxide	NO ₂	0.2ppm
Nitrous oxide	N ₂ O	50ppm
Nitric Oxide	NO	25ppm
Nitrogen Trifluoride	NF ₃	10ppm
Octafluorocyclobutane	C ₄ F ₈	10ppm
Opentene	C ₅ F ₈	10ppm
Oxygen	O ₂	18%voL
Ozone	O ₃	0.1ppm
PGMEA	C ₆ H ₁₂ O ₃	500ppm
Phosgene	COCL ₂	0.1ppm
Phosphine	PH ₃	0.3ppm
Phosphorous Oxychloride	POCL ₃	0.1ppm
Phosphorous Pentafluoride	PF ₅	2ppm

Phosphorous Pentachloride	PCL_5	0.1ppm
Phosphorous Trechloride	PCL_3	0.2ppm
Phosphorous Tribromide	PBr_3	2ppm
Propylene	$\text{CH}_3\text{-CH=CH}_2$	500ppm
Silane	SiH_4	5ppm
Silicon Tetrachloride	SiCL_4	2ppm
Silicon Tetrafluoride	SiF_4	2ppm
Stibine	SbH_3	0.05ppm
Sulfur Hexafluoride	SF_6	1000ppm
Sulfur Tetrafluoride	SF_4	2ppm
Sulfur Dioxygen	SO_2	2ppm
Tantalum Fluoride	TaF_5	2ppm
TEOS	$\text{Si}(\text{C}_2\text{H}_5\text{O})_4$	10ppm
Tetrachloroethylene	C_2CL_4	25ppm
Tin Tetrachloride	SnCL_4	2ppm
Titanium Tetrachloride	TiCL_4	2ppm
Trichloromethane	CHCL_3	10ppm
Trichlorosilane	SiHCL_3	2ppm
Trimethyl amine (TMA)	$\text{C}_3\text{H}_9\text{N}$	5ppm
Trimethyl Diborane (TMB)	$\text{C}_3\text{H}_9\text{BO}_3$	7ppm
Trimethyl Phosphine (TMP)	$\text{C}_3\text{H}_9\text{PO}_3$	2ppm
Tungsten Hexachloride	WCL_6	2ppm
Tungsten Hexafluoride	WF_6	2ppm
Vinyl chloride	VCM	5ppm
Xenon Difluoride	XeF_2	0.5ppm

Target Gas	Formula	Detection Range
ammonia	NH ₃	0-100ppm
Arsenic hydrogenation	AsH ₃	0-0.2ppm
Boron trichloride	BCl ₃	0-8.0ppm
Boron trifluoride	BF ₃	0-8.0ppm
Boron trifluoride (low oncentration)	BF ₃	0-2.0ppm
bromine	Br ₂	0-0.4ppm
Carbon dioxide	CO ₂	0-2% vol
Carbon monoxide	CO	0-100ppm
chlorine	Cl ₂	0-2.0ppm
carbon dioxide	ClO ₂	0-0.4ppm
Chlorine trifluoride	ClF ₃	0-0.4ppm
Boroethane	B ₂ H ₆	0-0.4ppm
Dichlorosilane	H ₂ SiCl ₂	0-8.0ppm
Difluoromethane	CH ₂ F ₂	0-120ppm
Disilane	Si ₂ H ₆	0-20ppm
fluorine	F ₂	0-4.0ppm
Decane	GeH ₄	0-0.8ppm
Hexafluorobutylene	C ₄ F ₆	0-40ppm
Hydrogen (% lower explosive limit (LEL))	H ₂	0-100% LEL
Hydrogen (ppm)	H ₂	0-1000ppm
Hydrogen bromide	HBr	0-8.0ppm
Hydrogen chloride	HCl	0-8.0ppm
Hydrogen cyanide	HCN	0-20ppm
Hydrogen fluoride	HF	0-12ppm
Hydrogen fluoride (low concentration)	HF	0-2.0ppm

Hydrogen sulfide	H ₂ S	0-40ppm
Hydrogen sulfide (high concentration)	H ₂ S	0-100ppm
Methane (% lower explosive limit (LEL))	CH ₄	0-100% LEL
Methyl fluoride	CH ₃ F	0-60ppm
Nitrogen dioxide	NO ₂	0-12ppm
Nitric oxide	NO	0-100ppm
Nitrogen trifluoride	NF ₃	0-40ppm
Octafluorocyclopentene	C ₅ F ₈	0-40ppm
Oxygen capacity & hypoxia	O ₂	0-25% vol
ozone	O ₃	0-0.4ppm
Phosphine	PH ₃	0-1.2ppm
Phosphorus hydroxide	POH ₃	0-0.4ppm
Silane	SiH ₄	0-20ppm
Silane (low concentration)	SiH ₄	0-2.0ppm
Sulfur dioxide	SO ₂	0-8.0ppm
Hexafluoride	SF ₆	0-8000pm
Sulfur tetrafluoride	SF ₄	0-0.4ppm
Ethyl orthosilicate	TEOS	0-40ppm
Tungsten hexafluoride	WF ₆	0-12ppm
Tungsten hexafluoride (low concentration)	WF ₆	0-2.0ppm