

SOLID STATE SENSOR GAS LIST

IST Solid State Sensors are available for detecting the following gases. The full-scale ranges listed are standard ranges available. Other gases / ranges may also be possible. Please check with us for a gas / range not listed below.

GAS	FULL-SCALE RANGES	GAS	FULL-SCALE RANGES
Acetic Acid	100, 200 ppm	Heptane	1000 ppm, % LEL
Acetone	100, 200, 500, 1000, 5000 ppm, % LEL	Hexane	50, 100, 200, 2000, 2500, 3000 ppm, % LEL
Acetonitrile	100 ppm	Hexene	% LEL
Acetylene	50 ppm, % LEL, 3% by Volume	Hydrazine	5, 10, 20, 100, 1000 ppm, 1% by Volume
Acrolein (Acrylaldehyde)	50 ppm	Hydrogen	50, 100, 200, 500, 1000, 2000, 5000 ppm, 3%, 5% by Vol., 2% to 100% LEL
Acrylic Acid	100 ppm	Hydrogen Bromide	50 ppm
Acrylonitrile	50, 60, 80, 100, 200, 500 ppm, % LEL	Hydrogen Chloride	50, 100, 200, 400, 500, 1000 ppm
Allyl Alcohol	% LEL	Hydrogen Cyanide	20, 30, 50, 100, 200, 1000, 10000 ppm
Allyl Chloride	200 ppm	Hydrogen Fluoride	20, 50, 100, 200 ppm
Ammonia	50, 70, 75, 100, 150, 200, 300, 400, 500, 1000, 2000, 2500, 4000, 5000 ppm, 1%, 2%, 10% by Vol., 10%, 25%, 100% LEL	Hydrogen Sulfide	5, 10, 20, 30, 50, 100, 300, 1000 ppm, % LEL
Anisole	100 ppm	Isobutane	1000, 3000 ppm, % LEL
Arsenic Pentafluoride	5 ppm	Isobutylene	% LEL
Arsine	1, 10 ppm	Isopentane	1000 ppm
Benzene	50, 75, 100, 1000 ppm, % LEL	Isoprene	% LEL
Biphenyl	50%, 100% LEL	Isopropanol	200, 400, 500, 1000 ppm, % LEL
Boron Trichloride	500 ppm	JP4	1000 ppm, % LEL
Boron Trifluoride	500 ppm	JP5	1000, 5000 ppm, % LEL
Bromine	20 ppm	Methane	100, 200, 1000, 1500, 2000, 5000 ppm, 1%, 2% by Volume, 100%, 200% LEL
Butadiene	50, 100, 3000 ppm, % LEL	Methanol	200, 300, 400, 500, 1000, 2000, 5000 ppm,
Butane	400, 1000 ppm, 100%, 200% LEL		15%, 30%, 100% LEL
Butanol	1000 ppm, 100% LEL	Methyl Acetate	30 ppm
Butene	100% LEL	Methyl Acrylate	60 ppm
Butyl Acetate	100 ppm, % LEL	Methyl Bromide	20, 50, 60, 100, 500, 1000, 10000, 40,000 ppm
Carbon Disulfide	50, 60, 100 ppm, 5% by Volume	Methyl Butanol	% LEL
Carbon Monoxide	50, 100, 150, 200, 250, 300, 500, 1000, 3000, 5000 ppm, 3%, 5% by Volume, % LEL	Methyl Cellosolve	% LEL
Carbon Tetrachloride	50, 100, 10000 ppm	Methyl Chloride	100, 200, 300, 2000, 10000 ppm, % LEL
Cellosolve Acetate	100 ppm	Methyl Ethyl Ketone	100, 500, 1000, 4000 ppm, 100% LEL
Chlorine	10, 20, 50, 100, 200 ppm	Methyl Hydrazine	5 ppm
Chlorine Dioxide	10, 20 ppm	Methyl Isobutyl Ketone	200, 500, 2000 ppm, 50%, 100% LEL
Chlorobutadiene	100% LEL	Methyl Mercaptan	30 ppm
Chloroethanol	200 ppm	Methyl Methacrylate	100 ppm, % LEL
Chloroform	50, 100, 200 ppm	Methyl-Tert Butyl Ether	100% LEL
Chlorotrifluoroethylene	100% LEL	Methylene Chloride	20, 100, 200, 300, 400, 500, 600, 1000, 2000, 3000, 5000 ppm, % LEL

Cumene	100% LEL	Mineral Spirits	200, 3000 ppm, % LEL
Cyanogen Chloride	20 ppm	Monochlorobenzene	100% LEL
Cyclohexane	100 ppm, 100% LEL	Monoethylamine	30, 100, 1000 ppm
Cyclopentane	50 ppm	Morpholine	500 ppm
Deuterium	50%, 100% LEL	Naptha	1000 ppm, 100% LEL
Diborane	10, 50 ppm	Natural Gas	1000, 2000 ppm, 2%, 4% by Volume, % LEL
Dibromoethane	50 ppm	Nitric Oxide	20, 50 ppm
Dibutylamine	100% LEL	Nitrogen Dioxide	20, 50, 100 ppm
Dichlorobutene	1% by Volume	Nitrogen Trifluoride	50, 500, 1000 ppm
Dichloroethane (EDC)	50, 100 ppm, % LEL	Nonane	2000 ppm
Dichlorofluoroethane	100, 1000 ppm	Pentane	200, 1000 ppm, % LEL
Dichloropentadiene	50 ppm	Perchloroethylene	200, 1000, 2000, 20000 ppm
Dichlorosilane	50, 100 ppm	Phenol	100 ppm
Diesel Fuel	50 ppm, 100% LEL	Phosgene	50 ppm
Diethyl Benzene	100% LEL	Phosphine	3, 5, 10, 20, 30, 50 ppm
Diethyl Sulfide	10 ppm	Phosphorus Oxychloride	200 ppm
Difluorochloroethane	100% LEL	Picoline	% LEL
Difluoroethane (152A)	100% LEL	Propane	100, 1000 ppm, 100% LEL
Dimethyl Ether	100% LEL	Propylene	100, 200, 1000, 5000 ppm, %LEL
Dimethylamine (DMA)	30, 50 ppm	Propylene Oxide	100 ppm, % LEL
Epichlorohydrin	50, 100, 500, 1000 ppm	Silane	10, 20, 50 ppm
Ethane	1000 ppm	Silicon Tetrachloride	1000 ppm
Ethanol	200, 1000, 2000 ppm, % LEL	Silicon Tetrafluoride	1000 ppm
Ethyl Acetate	200, 1000 ppm, % LEL	Styrene	200, 300 ppm, % LEL
Ethyl Benzene	200 ppm, % LEL	Sulfur Dioxide	50, 100 ppm
Ethyl Chloride	100 ppm, % LEL	Tetrahydrofuran	200, 300, 1000 ppm, % LEL
Ethyl Chlorocarbonate	1% by Volume	Tetraline	100 ppm
Ethyl Ether	100, 800, 1000 ppm, % LEL	Toluene	50, 100, 200, 500, 2000, 5000 ppm, % LEL
Ethylene	100, 1000, 1200 ppm, % LEL	Toluene Diisocyanate	15 ppm
Ethylene Oxide	5, 10, 20, 30, 50, 75, 100, 150, 200, 300, 1000, 1500, 2000, 3000 ppm, % LEL	Trichloroethane	50, 100, 500, 1000 ppm, 1% by Volume
Fluorine	20, 100 ppm	Trichloroethylene	50, 100, 200, 300, 500, 1000, 2000 ppm, %LEL
Formaldehyde	15, 50, 100, 500, 1000 ppm	Triethylamine (TEA)	100 ppm
Freon-11	1000, 2000, 5000 ppm	Trifluoroethanol	25, 100 ppm
Freon-12	1000, 2000, 3000 ppm	Trimethylamine (TMA)	50 ppm
Freon-22	100, 200, 500, 1000, 2000 ppm	Tungsten Hexafluoride	50 ppm
Freon-113	100, 200, 500, 1000, 2000 ppm, 1% by Vol.	Turpentine	% LEL
Freon-114	1000, 2000, 20000 ppm	Vinyl Acetate	1000 ppm, % LEL
Freon-123	1000 ppm	Vinyl Chloride	20, 50, 100, 200, 400, 500, 1000, 4000, 10000 ppm, 10%, 100% LEL
Fuel Oil or Kerosene	100% LEL	Vinylidene Chloride	50 ppm
Gasoline	100, 1000, 2000, 20000 ppm, % LEL	Xylene	100, 200, 300, 1000 ppm, 1% by Volume
Germane	10, 50 ppm		