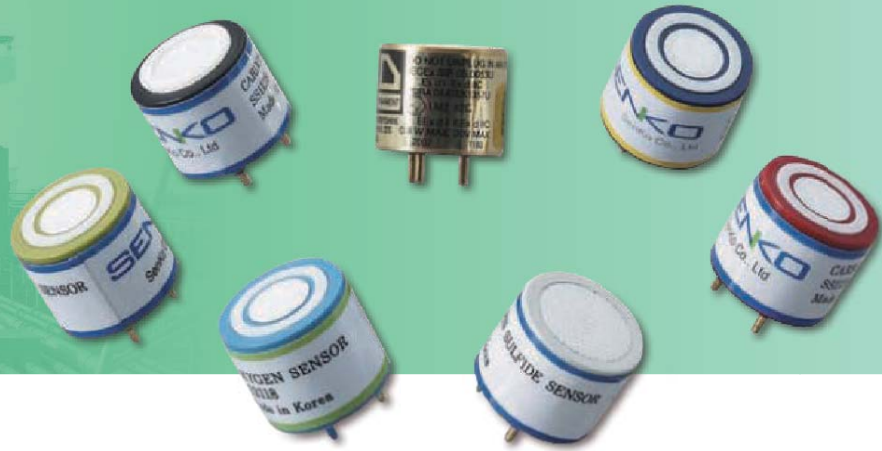


GAS SENSOR



Oxygen sensor SS1118 (0~100%)



- With high concentrated oxygen measuring sensor, only for the Oxygen generator and medical sensor
- Measure the oxygen's pressure in the air

Hydrogen sulfide sensor SS2198



- Suitable to monitor the petrochemical, oil refining, waste water treatment, drain water treatment, manhole, mining

Oxygen sensor SS2118 (0~30%)



- As the measuring sensor of the oxygen in the air, suitable for the portable equipment and industrial equipment
- Excellent accuracy and response time

IR (Infrared) Sensor



- Gas measuring Sensor only for the flammable gas and carbon dioxide, nitrogen dioxide
- The Infrared sensor which has Very fast response and excellent accuracy can ensure the flammable gas in the nonoxygen space

Carbon monoxide sensor SS2128



- Fire monitoring application for the portable equipment, industrial safety equipment, boiler room, parking place
- Excellent stability of the output signal and little affected by other gases

Hydrogen sensor SS1178



- Suitable to monitor the power plant, hydrogen fuel battery, hydrogen tank, hydrogen leakage and processes
- Minimize the interference on the hydrogen sulfide

Specification

Gas		Measuring range	Measuring method	Standard of permission	LEL(%Vol)	Specific gravity
Oxygen	O ₂	0 - 30% 0~100%	Electrochemical	19.5% ~ 23.5%	-	1.11
Carbon monoxide	CO	0 - 500ppm	Electrochemical	25ppm	12.5	0.968
Sulfur dioxide	SO ₂	0 - 50ppm	Electrochemical	2ppm	-	2.26
Hydrogen	H ₂	0 - 1,000ppm	Electrochemical	-	4% vol	0.07
Hydrogen sulfide	H ₂ S	0 - 500ppm	Electrochemical	10ppm	4.3	1.19
Ammonia	NH ₃	0 - 100ppm		25ppm	15	0.6
Chlorine	Cl ₂	0 - 100ppm	Electrochemical	1ppm	-	2.49
Nitrogen dioxide	NO ₂	0 - 150ppm	Electrochemical	3ppm	-	1.58
Nitrogen monoxide	NO	0 - 1,000ppm	Electrochemical	25ppm	-	1.53
Hydrogen chloride	HCl	0 - 30ppm	Electrochemical	5ppm	-	1.27
Hydrogen cyanide	HCN	0 - 100ppm	Electrochemical	10ppm	5.6	0.941
Ozone	O ₃	0 - 2ppm	Electrochemical	0.1ppm	-	1.65
Hydrogen phosphide	PH ₃	0 - 20ppm	Electrochemical	0.3ppm	1	1.18
Silane	SiH ₄	0 - 50ppm	Electrochemical	5ppm	13.5	1.11
Carbon dioxide	CO ₂	0 - 15,000ppm 0 - 500ppm up to 0 - 5% Vol	NDIR IR	5000ppm	-	1.5
Hydrocarbons	CH	0 - 100% Vol	IR	-	-	-
Methane	CH ₄	0 - 5% or 0 - 100% Vol	IR	-	5	0.55
Ethane	C ₂ H ₆	0 - 3% Vol	IR	-	3	1
Propane	CH ₃ CH ₂ CH ₃	0 - 2% Vol	IR	-	2.2	1.5
Butane	C ₄ H ₁₀	0 - 2% Vol	IR	-	1.86	2
Pentane	C ₅ H ₁₂	0 - 2% Vol	IR	-	1.5	2.5
Hexane	CH ₃ (CH ₂) ₄ CH ₃	0 - 1% Vol	IR	-	1.2	3.5
Methyl bromide	C-H ₃ Br	0 - 25,000ppm	IR	-	10	3.3
Ethanol	CH ₃ CH ₂ OH	0 - 5% Vol	IR	-	3.6	1.6
Ethylene	C ₂ H ₄	0 - 3% Vol	IR	-	2.75	1
Ethylene oxide	C ₂ H ₄ O	0 - 3% Vol	IR	-	3	1.5
Nitrous oxide	N ₂ O	0 - 1000ppm up to 0-1% Vol	IR	50ppm	-	1.53

Gas sensor List

※ It is available to order various sensors including below list.

Gas type	Detecting range	Detecting Method	Permissible Standards	LEL(%Vol)	Specific Gravity
O ₂	0-30%	Electrochemical	19.5%-23.5%	-	1.11
CO	0-1,000ppm	Electrochemical	25ppm	12.5	0.968
H ₂ S	0-500ppm	Electrochemical	10ppm	4.3	1.19
SO ₂	0-20ppm	Electrochemical	2ppm	-	2.26
H ₂	0-1,000ppm	Electrochemical	-	4% Vol	10.07
NH ₃	0-50ppm	Electrochemical	25ppm	15	0.6
Cl ₂	0-100ppm	Electrochemical	1ppm	-	2.49
HCl	0-30ppm	Electrochemical	5ppm	-	1.27
HCN	0-100ppm	Electrochemical	10ppm	5.6	0.941
O ₃	0-2ppm	Electrochemical	0.1ppm	-	1.65
NO	0-1,000ppm	Electrochemical	25ppm	-	1.53
NO ₂	0-150ppm	Electrochemical	3pp	-	1.58
PH ₃	0-20ppm	Electrochemical	0.3ppm	1	1.18
SiH ₄	0-50ppm	Electrochemical	5ppm	1.35	1.11
	0-500ppm up to 0-100% Vol	IR	-	-	1.5
Hydrocarbons	0-100% Vol	IR	-	-	-
C ₄ H ₁₀	0-2% Vol	IR	-	1.86	2
C ₂ H ₆	0-3% Vol	IR	-	3	1
CH ₃ CH ₂ OH	0-5% Vol	IR	-	3.6	1.6
C ₂ H ₄	0-3% Vol	IR	-	2.75	1
C ₂ H ₄ O	0-3% Vol	IR	-	3	1.5
CH ₃ (CH ₂) ₄ CH ₃	0-1% Vol	IR	-	1.2	3.5
CH ₄	0-5% or 0-100% Vol	IR	-	5	0.55
C-H ₃ Br	0-25,000ppm	IR	-	10	3.3
N ₂ O	0-1000ppm up to 0-1% Vol	IR	50ppm	-	1.53
C ₅ H ₁₂	0-2% Vol	IR	-	1.5	2.5
CH ₃ CH ₂ CH ₃	0-2% Vol	IR	-	2.2	1.5