

Sensor List

#	Sensor ID	Type	Chemical	Maximum Detection Limit	Lowest Detection Threshold	Resolution (ppm)	Cross sensitivity
1	CD1	NDIR	Carbon Dioxide - High Concentration	5%, 20% and 100%	20 ppm	100, 2000, 10000 ppm	NONE
2	CD2	NDIR	Carbon Dioxide - Low Concentration	5000 ppm	0 ppm	15 ppm	NONE
3	CO1	EC	Carbon Monoxide (low Concentration)	500 ppm	15 ppm	5 ppm	H2 <10%
4	CO2	EC	Carbon Monoxide (high concentration)	10000 ppm	250 ppm	20 ppm	H2 <10%
5	C11	EC	Chlorine	20 ppm	200 ppb	20 ppb	H2S, NO2
6	E1	EC	Ethylene Oxide	100 ppm	1 ppm	0.1 ppm	H2S, NO, C2H4
7	H1	EC	Hydrogen	5000 ppm	1 ppm	0.8 ppm	C2H4
8	HCL1	EC	Hydrogen Chloride	100 ppm	0.1 ppm	0.1 ppm	H2S, NO2, CL2
9	HCY1	EC	Hydrogen Cyanide	100 ppm	0.1 ppm	0.1 ppm	H2S, NO2
10	AM1	EC	Ammonia	100 ppm	0.5 ppm	0.3 ppm	H2S, NO2, CL2
11	ON1	EC	Oxidizing Gases Ozone and Nitrogen Dioxide	O3- 20; NO2- 20 ppm	20 ppb	15 ppb	H2S, CL2
12	PH1	EC	Phosphine (low Concentration)	10 ppm	50 ppb	30 ppb	H2S, C2H4,
13	PH2	EC	Phosphine (high Concentration)	2000 ppm	5 ppm	2 ppm	H2S, C2H4,
14	HS1	EC	Hydrogen Sulfide (low Conc - ppb)	1 ppm	3 ppb	1 ppb	CL2<20%
15	HS2	EC	Hydrogen Sulfide (high Conc - ppm)	2000 ppm	1 ppm	1 ppm	CL2<20%
16	E2	MOS	Organic solvents (Ethanol, Iso-Butane, H2)	500 ppm	0 ppm	1 ppm	Benzines <20%
17	MT1	NDIR	Methane (LEL)	100 % LEL (50,000 ppm)	500 ppm	200 ppm	Methane, propane,
18	NC1	EC	Nitric Oxide - NO - (low Concentration)	20 ppm	15 ppm	5 ppb	None
19	NC2	EC	Nitric Oxide - NO (High Concentration)	5000 ppm	2 ppm	1 ppm	None
20	ND1	EC	Nitrogen Dioxide (Low Concentration)	20 ppm	0.03 ppm	0.02 ppm	H2S, CL2,
21	ND2	EC	Nitrogen Dioxide (high Concentration)	200 ppm	0.3 ppm	0.1 ppm	H2S, CL2,
22	O1	EC	Oxygen	20%	0.01%	0.01%	NONE
23	O2	EC	Oxygen	100%	0.20%	0.10%	NONE
24	PD1	PID	Total VOCs (ppb) - PID	50 ppm (isobutylene)	0 ppm	1 (ppb isobutylene)	All VOCs
25	PD2	PID	Total VOCs (ppm) - PID	300 ppm (isobutylene)	1 ppm	0.1 (ppm isobutylene)	All VOCs
26	SD1	EC	Sulfur Dioxide (high Concentration)	2000 ppm	0.5 ppm	0.5 ppm	NO2, CL2
27	SD2	EC	Sulfur Dioxide (low Concentration)	20 ppm	10 ppb	5 ppb	NO2, CL2
28	FM1	EC	Formaldehyde	10 ppm	0.01 ppm	0.01 ppm	Ethanol
29	PM 1-10	Laser Scattered	Particulate PM 1, 2.5, 10 (simultaneous)	10,000 Particles/Sec	PM 1	N/A	NA
30	MS1	MOS	General Purpose Odours (VOCs)	1000 ppm isobutanol	0.5	0.5	VOCs and Solvents
31	MS2	MOS	TRS and Amines	3 ppm (Methyl Mercaptan)	10 ppb	10 ppb	Trimethyl Amine, Methyl Mercaptans, H2S, other amines and sulfur compounds
32	MS3	MOS	Air Contaminants (ammonia, Ethanol, Toulene)	3 ppm (ammonia)	10 ppb	10 ppb	(ammonia, Ethanol, Toulene)
33	MS4	MOS	Ammonia	300	10	0.5	Ammonia, H2S, Ethanol