

Scentroid Sensor List - Technical Information											
#	Sensor ID	Type	Formula	Chemical	Maximum Detection Limit	Lowest Detection Threshold	Resolution	Industry	Expected Life (years)	Warmup Time (Sec)	Response Time (Sec)
1	CD1	NDIR	CO2	Carbon Dioxide - High Concentration	5%	100 ppm	20 ppm	Safety/Combustion/process control	1	120	120
2	CD2	NDIR	CO2	Carbon Dioxide - Low Concentration	2000 ppm	1 ppm	0.6 ppm	Urban, Industrial, IAQ	1	120	120
3	CM1	EC	CO	Carbon Monoxide (Low Concentration)	100 ppm	0.03 ppm	0.01 ppm	Urban, Industrial, IAQ	2	40	40
4	CM3	EC	CO	Carbon Monoxide (Medium Concentration)	1000 ppm	1 ppm	1 ppm	Urban, Industrial, IAQ	5	40	20
5	CM2	EC	CO	Carbon Monoxide (high concentration)	10000 ppm	30 ppm	3 ppm	Safety/Combustion/process control	2	45	40
6	CL2	EC	CL2	Chlorine (High Concentration)	2000 ppm	1 ppm	1 ppm	Safety/Combustion/process control	2	45	40
7	CL1	EC	Cl2	Chlorine (Low Concentration)	10 ppm	0.05 ppm	0.01 ppm	Industrial, Safety	2	120	60
8	H1	EC	H2	Hydrogen	10000 ppm	100 ppm	10 ppm	Industrial, Safety, IAQ	2	120	40
9	HCL1	EC	HCl	Hydrogen Chloride	20 ppm	0.5 ppm	0.2 ppm	Industrial, Safety	2	120	60
10	HCY1	EC	HCN	Hydrogen Cyanide	50 ppm	0.1 ppm	0.1 ppm	Industrial, Safety	2	120	30
11	PH1	EC	PH3	Phosphine (low Concentration)	5 ppm	50 ppb	30 ppb	Industrial, safety	2	60	20
12	PH2	EC	PH3	Phosphine (high Concentration)	2000 ppm	5 ppm	2 ppm	Industrial, safety	2	60	25
13	HS1	EC	H2S	Hydrogen Sulfide (low Concentration - ppb)	3 ppm	7 ppb	1 ppb	WWTP, Odour, IAQ, Urban, Industrial	2	180	35
14	HS2	EC	H2S	Hydrogen Sulfide (high Concentration - ppm)	2000 ppm	15 ppm	2 ppm	Safety, WWTP	2	180	25
15	HS3	EC	H2S	Hydrogen Sulfide (medium Concentration - ppm)	200 ppm	2 ppm	0.2 ppm	Safety, WWTP	2	180	60
17	MT1	NDIR	CH4	Methane (LEL)	20,000 ppm	100 ppm	100 ppm	Safety/Combustion/Inprocess control, Industrial	>3 years	45	12
18	NC1	EC	NO	Nitric Oxide (Low Concentration)	1 ppm	0.01 ppm	0.001 ppm	Urban, IAQ, Industrial	2	120	60
19	NC2	EC	NO	Nitric Oxide (Medium Concentration)	25 ppm	0.2 ppm	0.1 ppm	Urban, IAQ, Industrial	2	120	60
20	NC3	EC	NO	Nitric Oxide (High Concentration)	5000 ppm	2 ppm	2 ppm	Industrial, safety, Process control	3	120	10
21	ND1	EC	NO2	Nitrogen Dioxide (Low Concentration)	1 ppm	0.01	0.001 ppm	Urban, IAQ, Industrial	>5 years	120	60
22	ND2	EC	NO2	Nitrogen Dioxide (Med Concentration)	20 ppm	0.1 ppm	0.1 ppm	Urban, IAQ, Industrial	>5 years	120	60
23	ND3	EC	NO2	Nitrogen Dioxide (high Concentration)	1000 ppm	2 ppm	1 ppm	Industrial, safety, Process control	2	120	60
24	NS1	NDIR	N2O	Nitrous Oxide	10,000 ppm	100 ppm	1 ppm	Urban, Industrial, Process control	5	30	30
25	O2	EC	O2	Oxygen (high Concentration)	250,000 ppm	5000 ppm	200 ppm	Process control, Safety	1	60	15
26	PD3	PID	VOCs	Total VOCs 10.0 eV	100 ppm	5 ppb	5 ppb	WWTP, Odour, IAQ, Urban, Industrial	5*	5	3
27	PD1	PID	VOCs	Total VOCs (Low Concentration) - PID 10.7 eV	50 ppm (isobutylene)	1 ppb	ci	WWTP, Odour, IAQ, Urban, Industrial	5*	5	3
28	PD2	PID	VOCs	Total VOCs (High Concentration) - PID 10.7 eV	300 ppm (isobutylene)	1 ppm	50 ppb	Safety, Industrial	5*	5	3
29	SD1	EC	SO2	Sulfur Dioxide (high Concentration)	2000 ppm	2 ppm	1 ppm	Safety, Industrial	2	120	25

30	SD2	EC	SO2	Sulfur Dioxide (low Concentration)	1 ppm	0.01 ppm	0.001 ppm	Urban, IAQ, Industrial	2	120	20
31	SD3	EC	SO2	Sulfur Dioxide (medium Concentration)	100 ppm	0.4 ppm	0.2 ppm	Urban, IAQ, Industrial	2	120	20
32	FM1	EC	CH2O	Formaldehyde	5 ppm	10 ppb	10 ppb	IAQ, Safety, Industrial,	2	180	60
33	PM 1, 2.5-10	Laser Scattered	PM	Particulate PM 1, 2.5, 10 (simultaneous)	2000 µg/m3	1 µg/m3	1 µg/m3	Urban, IAQ, Industrial	>5 years	NA	NA
34	TS1	Laser Scattered	TSP	TSP - PM Required	20000 µg/m3	1 µg/m3	1 µg/m3	Urban, IAQ, Industrial	>5 years	NA	NA
35	PM 0.3-25	Laser Scattered	PM+	High concentration Particulate counter	20000 µg/m3	0.1 µg/m3	0.003 µg/m3	Urban, IAQ, Industrial	>5 years	NA	NA
36	NMH	EC	NMHC	Non-methane Hydrocarbon	25 ppm	0.1 ppm	0.1 ppm	Industrial, Process, Combustion	2	180	55
39	AM2	EC	NH3	Ammonia (High concentration)	100 ppm	3 ppm	1 ppm	Agricultural, Industrial	2	30	40
40	AM1	EC	NH3	Ammonia (Low Concentration)	10 ppm	0.005 ppm	0.001 ppm	Agricultural, Industrial	2	30	50
41	OZ1	EC	O3	Ozone (low Concentration)	0.5 ppm	1 ppb	1 ppb	Urban, Industrial	>5 years	60	30
42	OZ2	EC	O3	Ozone (High Concentration)	5 ppm	20 ppb	20 ppb	Urban, Industrial	>5 years	60	30
43	RD1	Geiger Counter	α-, β-, γ, X	Radiation Monitor (α-, β-, γ- and x- radiation)	5 ppm	0.01 µSv / h	0.01 µSv / h	Mining, Industrial, Nuclear Energy, Security	>3 years	0	0
44	CIO21	EC	CIO2	Chlorine Dioxide	50 ppm	0.01 ppm	0.05 ppm	Odour, Industrial	2	180	60
45	CH4L	TDLS	CH4	Methane - ppb	100 ppm	0.4 ppm	0.01 ppm	Greenhouse gases, industrial	10+	20	1
46	ET1	EC	C2H4	Ethylene - Low Concentration	10	0.05 ppm	0.01 ppm	Greenhouse gases, industrial	2	120	30
47	ET2	EC	C2H4	Ethylene - Medium Concentration	200	1 ppm	0.5 ppm	Greenhouse gases, industrial	2	120	30
48	ET3	EC	C2H4	Ethylene - High Concentration	1500	5 ppm	2 ppm	Greenhouse gases, industrial	2	120	30
49	MM	EC	CH3SH	Methyl Mercaptan	10 ppm	0.05 ppm	0.01 ppm	Odours, WWTP, Leak Detection, Industrial	2	120	35
50	EMF	EMF	EMF	Electro Magnetic Field	200 mGauss	0.1 mGauss	0.1 mGauss	Urban, Industrial, power plants	3	<1	<1
51	CS	EC	CS2	Carbon Disulfide	100 ppm	1 ppm	0.1 ppm	Odour, WWTP, Industrial	2	120	30
52	TBM	EC	C4H10S	Tert Butylthiol	14 ppm	0 ppm	0.1 ppm	Odour, Leak detection, Industrial	2	120	30
53	THT	EC	C4H8S	Tetrahydrothiophene	14 ppm	0 ppm	0.1 ppm	Odour, Leak detection, Industrial	2	120	30
54	RDN	Pulsed Ion	RN	Radon gas	99.9 pCi/l (3,700Bq/m³)	0.2 pCi/l (700Bq/m³)	0.2 pCi/l (350Bq/m³)	IAQ, Safety, Industrial,	2	10	<1
55	AL1	EC	CH3OH - C2H5OH	Methanol & Ethanol	100 ppm	0.1 ppm	0.05 ppm	Industrial, Odour	2	120	<25
56	BTX	EC	BTEX	benzene, toluene, ethylbenzene and xylene.	10 ppm	7 ppb	1 ppb	industrial, Urban	2	120	<100s
57	HE	Mirco thermal conductivity detector (MTCD)	He	Helium	0-100%	0.50%	0.10%	Leak detection, industrial	5	10	<1
58	COCL	EC	COCL2	Phosgene	1 PPM	7 PPB	1 ppb	WWTP, Odour, IAQ, Urban, Industrial	2	180	35
59	BNZ	Selective Filter + PID	C6H6	Benzene	20 ppm	10 ppb	1 ppb	Industrial, leak detection, IAQ	2	60	5
60	DMS	EC	C2H6S	Dimethyl sulfide	10ppm	100 ppb	100 ppb	WWTP, Odour, IAQ, Urban, Industrial	2	120	30
61	H2O2	EC	H2O2	Hydrogen Peroxide	2000 ppm	5 ppm	0.5 ppm	Industrial	2	120	25
62	H2O2L	EC	H2O2	Hydrogen Peroxide	100 ppm	0.1 ppm	0.05 ppm	Industrial	2	120	25
63	SF6	NDIR	SF6	Sulfur Hexafluoride	1500 ppm	2 ppm	1 ppm	Industrial	5	30	30

*CH4L: TLDS (Tunable Laser Diode Spectroscopy) - Some restriction applies when integrating this sensor, contact us for details

Scentroid Sensor List for CTmini & AQmini - Technical Information

#	Sensor ID	Type	Formula	Chemical	Maximum Detection Limit	Lowest Detection Threshold	Resolution	Industry	Expected Life (years)	Warmup Time (Sec)	Response Time (Sec)
1	EPAR	Electro-Polymer	AsH3	Arsine	1 ppm	0 ppm	<0.02ppm	Industrial, Safety, Agricultural	2	50	10
2	EPEO1	Electro-Polymer	ETO	Ethylene Oxide	10 ppm	0 ppm	0.01 ppm	Greenhouse gases, industrial	3	50	10
3	EPEO2	Electro-Polymer	ETO	Ethylene Oxide	200 ppm	0 ppm	0.1 ppm	Greenhouse gases, industrial	3	50	10
4	EPEO3	Electro-Polymer	ETO	Ethylene Oxide	1000 ppm	0 ppm	0.1 ppm	Greenhouse gases, industrial	3	50	10
5	EPPH	Electro-Polymer	PH3	Phosphine	20 ppm	0 ppm	< 0.01ppm	Industrial, safety	3	50	10
6	EPVOC1	Electro-Polymer	VOCs	Total VOCs	20 ppm	0 ppm	0.01 ppm	WWTP, Odour, IAQ, Urban, Industrial	3	50	10
7	EPVOC2	Electro-Polymer	VOCs	Total VOCs	200 ppm	0 ppm	0.1 ppm	WWTP, Odour, IAQ, Urban, Industrial	3	50	10
8	EPVOC3	Electro-Polymer	VOCs	Total VOCs	2000 ppm	0 ppm	0.1 ppm	WWTP, Odour, IAQ, Urban, Industrial	3	50	10
9	EPMM1	Electro-Polymer	CH4S	Methyl Mercaptan	10 ppm	0 ppm	0.01 ppm	Odours, WWTP, Leak Detection, Industrial	3	50	10
10	EPMM2	Electro-Polymer	CH4S	Methyl Mercaptan	100 ppm	0 ppm	0.1 ppm	Odours, WWTP, Leak Detection, Industrial	3	50	10
11	EPSD1	Electro-Polymer	SO2	Sulfur Dioxide	5 ppm	0 ppm	< 0.01 ppm	Safety, Industrial	3	50	20
12	EPSD2	Electro-Polymer	SO2	Sulfur Dioxide	100 ppm	0 ppm	0.1 ppm	Safety, Industrial	3	50	20
13	EPSD3	Electro-Polymer	SO2	Sulfur Dioxide	1000 ppm	0 ppm	0.1 ppm	Safety, Industrial	3	50	20
14	EPOZ1	Electro-Polymer	O3	Ozone	5 ppm	0 ppm	< 0.01 ppm	Urban, Industrial	2	50	40
15	EPOZ2	Electro-Polymer	O3	Ozone	100 ppm	0 ppm	< 0.01 ppm	Urban, Industrial	2	50	40
16	EPOX	Electro-Polymer	O2	Oxygen	25% vol.	0	0.01 % vol	Process control, Safety	5	50	5
17	EPND1	Electro-Polymer	NO2	Nitrogen Dioxide	2 ppm	0 ppm	< 0.005 ppm	Urban, IAQ, Industrial	3	50	20
18	EPND2	Electro-Polymer	NO2	Nitrogen Dioxide	100 ppm	0 ppm	0.1 ppm	Urban, IAQ, Industrial	3	50	10
19	EPND3	Electro-Polymer	NO2	Nitrogen Dioxide	2000 ppm	0 ppm	0.1 ppm	Urban, IAQ, Industrial	3	50	10
20	EPHS1	Electro-Polymer	H2S	Hydrogen Sulfide	10 ppm	0 ppm	0.01 ppm	WWTP, Odour, IAQ, Urban, Industrial	3	50	10
21	EPHS2	Electro-Polymer	H2S	Hydrogen Sulfide	500 ppm	0 ppm	0.1 ppm	WWTP, Odour, IAQ, Urban, Industrial	3	50	10
22	EPHS3	Electro-Polymer	H2S	Hydrogen Sulfide	5000 ppm	0 ppm	0.1 ppm	WWTP, Odour, IAQ, Urban, Industrial	3	50	10
23	EPFO1	Electro-Polymer	HCHO	Formaldehyde	5 ppm	0 ppm	0.01 ppm	IAQ, Safety, Industrial,	3	50	20
24	EPFO2	Electro-Polymer	HCHO	Formaldehyde	100 ppm	0 ppm	0.01 ppm	IAQ, Safety, Industrial,	3	50	20
25	EPHY1	Electro-Polymer	H2	Hydrogen	1000 ppm	0 ppm	0.1 ppm	Industrial, Safety, IAQ	5	50	10
26	EPHY2	Electro-Polymer	H2	Hydrogen	20000 ppm	0 ppm	1 ppm	Industrial, Safety, IAQ	5	50	10
27	EPCM1	Electro-Polymer	CO	Carbon Monoxide	10 ppm	0 ppm	0.01 ppm	Urban, Industrial, IAQ	5	50	10