OLCT 200

SENSORS TECHNICAL SPECIFICATIONS

Ref #	Gas		Transmitter Type	Sensor Type	Measurement Range	Resolution	Accuracy [2]	Response Time (Sec) (T50/T90)[1]	Temp Range (°C)[4]	% RH	Ave Life Expectancy (Months)	Cal Gas (Std)	Low Alarm Set Point (Std)	High Alarm Set Point (Std)	Storage Condition
10	LEL	Methane Cal	XP	◆	0 to 100 % LEL	1% LEL	+/- 1% LEL	10 / 24	-20 to 70	0 to 95% NC	40	50% LEL (Methane)	10% LEL	20% LEL	(c)
11	LEL	Pentane Cal	XP	◆	0 to 100 % LEL	1% LEL	+/- 1% LEL	10 / 24	-20 to 70	0 to 95% NC	40	25% LEL (Pentane)	10% LEL	20% LEL	(c)
12	LEL	Hydrogen Cal	XP	◆	0 to 100 % LEL	1% LEL	+/- 1% LEL	10 / 24	-20 to 70	0 to 95% NC	40	25% LEL (Hydrogen)	10% LEL	20% LEL	(c)
20	CO_2	Carbon Dioxide	XP	▲	0 to 5% Vol	0.1% Vol	+/- 0.1% Vol	17 / 55	-20 to 50	0 to 95% NC	60	2.5% Vol	0.5% Vol	1.0% Vol	(a)
21	LEL	Methane	XP	▲	0 to 100 % LEL	1% LEL	+/- 2% LEL	15 / 32	-20 to 50	0 to 95% NC	60	50% LEL (Methane)	10% LEL	20% LEL	(a)
22	LEL	Propane	XP	▲	0 to 100 % LEL	1% LEL	+/- 2% LEL	18 / 38	-20 to 50	0 to 95% NC	60	25% LEL (Propane)	10% LEL	20% LEL	(a)
26	LEL	Ethylene	XP	▲	0 to 100 % LEL	1% LEL	+/- 2% LEL	19 / 36	-20 to 50	0 to 95% NC	60	50% LEL (Ethylene)	10% LEL	20% LEL	(a)
27	LEL	Ethylene Oxide	XP	▲	0 to 100 % LEL	1% LEL	+/- 2% LEL	18 / 38	-20 to 50	0 to 95% NC	60	25% LEL (Propane)	10% LEL	20% LEL	(a)
30	VOCs	VOCs	XP	■	0 to 500 ppm	1 ppm	(d)	13 / 41	-20 to 50	0 to 99% NC	12	100 ppm (isobutylene)	100 ppm	200 ppm	(a)
41	Cl_2	Chlorine	XP / IS	●	0 to 50.0 ppm	0.1 ppm	+/-5%	6 / 8	-20 to 50	15 to 90% NC	24	10 ppm	0.5 ppm	1.0 ppm	(b)
43	CO	Carbon Monoxide	XP / IS	●	0 to 100 ppm	1 ppm	+/- 5%	15 / 33	-20 to 50	15 to 90% NC	24	100 ppm	35 ppm	70 ppm	(b)
44	CO	Carbon Monoxide	XP / IS	●	0 to 300 ppm	1 ppm	+/- 5%	14 / 35	-20 to 50	15 to 90% NC	24	100 ppm	35 ppm	70 ppm	(b)
48	H_2S	Hydrogen Sulfide	XP / IS	●	0 to 30 ppm	1 ppm	+/- 5%	15 / 36	-20 to 50	15 to 90% NC	36	25 ppm	10 ppm	20 ppm	(b)
49	H_2S	Hydrogen Sulfide	XP / IS	●	0 to 100 ppm	1 ppm	+/- 5%	17 / 41	-20 to 50	15 to 90% NC	36	25 ppm	10 ppm	20 ppm	(b)
50	HCl	Hydrogen Chloride	IS	●	0 to 30 ppm	0.1 ppm	+/- 5%	6 / 17	-20 /40	15 to 95% NC	24	10 ppm	5 ppm	10 ppm	(b)
54	NH_3	Ammonia	IS	●	0 to 100 ppm	1 ppm	+/- 10%	12 / 38	-20 to 50	15 to 90% NC	24	25 ppm	25 ppm	50 ppm	(b)
55	NH_3	Ammonia	IS	●	0 to 500 ppm	1 ppm	+/- 10%	15 / 50	-20 to 40	15 to 90% NC	24	50 ppm	25 ppm	50 ppm	(e)
60	NO_2	Nitrogen Dioxide	XP / IS	●	0 to 30.0 ppm	0.1 ppm	+/- 5%	13 / 30	-20 to 50	15 to 90% NC	24	5 ppm	1.0 ppm	2.0 ppm	(b)
61	O_2	Oxygen	XP / IS	●	0 to 30% Vol	0.1% Vol	+/- 0.5% [3]	9 / 15	-20 to 50	5 to 95% NC	24	20.9% Vol	19.5% Vol	23.5% Vol	(b)
66	SO_2	Sulfur Dioxide	XP / IS	●	0 to 30.0 ppm	0.1 ppm	+/- 5%	10 / 32	-20 to 50	15 to 90% NC	24	5 ppm	2.0 ppm	4.0 ppm	(b)

Specifications are subject to change

(1) Average values at 20°C, 1 Bar, and 50% RH

(2) At calibration environment conditions

(3) Calibrated at 20.9% Vol

NYA Not Yet Available

◆ Catalytic Bead (Cat)

● Electrochemical (EC)

▲ Infrared (IR)

■ Photo Ionization Detection (PID)

(a) -20°C to 50°C
20% to 60% RH
1 Bar +/- 10%
6 month maximum

(b) +4°C to 20°C
20% to 60% RH
1 Bar +/- 10%
6 month maximum

(c) -50°C to 70°C
20% to 60% RH
1 Bar +/- 10%
6 month maximum

(d) 0 to -15% (+20 to +50°C)
0 to +30% (0 to +20°C)
0 to +50% (-20 to 0°C)

(e) +4°C to +20°C
20% to 60% RH
1 Bar +/- 10%
1 month maximum

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