





75	7NO	7NO-100	057-0500-000	≤40	0	100	500	0.01	-	0.5500	0.4400	0.6600	15.00	0.825	0.660	0.990	-40~50°C	15%~90%RH	2 Years in air	12 months	
		7NO2-500	057-0600-000	≤60	0	500	1000	0.015	-	0.3500	0.2500	0.4500	4.42	0.774	0.553	0.995	-40~50°C	15%~90%RH	2 Years in air	12 months	
	NO	7NO-100S	058-020A-000	≤15	300	100	1500	0.03	+	0.5500	0.4400	0.6600	15.00	0.825	0.660	0.990	-40~55°C	15%~90%RH	2 Years in air	12 months	Fast Response
		7NO-100U	058-5A00-000	≤30	0	100	100	0.008	+	0.2700	0.2200	0.3400	23.40	0.794	0.588	1.000	-20~50°C	15%~90%RH	2 Years in air	12 months	Zero Bias
	NH3	7NH3-50S	059-260A-000	≤45	0	50	100	0.2	+	0.1500	0.1200	0.1800	110.00	0.825	0.660	0.990	-40~55°C	15%~90%RH	2 Years in air	12 months	Fast Response
		7NH3-100L	059-1600-000	≤90	0	100	100	1	+	0.1300	0.1000	0.1600	61.90	0.805	0.619	0.990	-40~40°C	15%~90%RH	5 Years in air	24 months	Long Life Non-depleting
		7NH3-100S	059-2300-000	≤45	0	100	200	0.3	+	0.1300	0.1000	0.1600	61.90	0.805	0.619	0.990	-40~50°C	15%~90%RH	2 Years in air	12 months	Fast Response
		7NH3-200S	059-2800-000	≤45	0	200	500	0.5	+	0.0900	0.0720	0.1080	46.40	0.835	0.668	1.002	-40~50°C	15%~90%RH	2 Years in air	12 months	Fast Response
		7NH3-300L	059-2700-000	≤90	0	200	200	1	+	0.0900	0.0720	0.1080	46.40	0.835	0.668	1.002	-40~40°C	15%~90%RH	5 Years in air	24 months	Long Life Non-depleting
		7NH3-500S	059-2400-000	≤55	0	500	1000	1	+	0.0350	0.0200	0.0500	40.20	0.704	0.402	1.005	-40~50°C	15%~90%RH	2 Years in air	12 months	Fast Response
		7NH3-500L	059-1700-000	≤90	0	500	1000	2	+	0.0350	0.0200	0.0500	40.20	0.704	0.402	1.005	-40~40°C	15%~90%RH	5 Years in air	24 months	Long Life Non-depleting
		7NH3-1000S	059-2500-000	≤45	0	1000	2000	2	+	0.0250	0.0170	0.0330	30.10	0.753	0.512	0.993	-40~50°C	15%~90%RH	2 Years in air	12 months	Fast Response
		7NH3-1000L	059-3200-000	≤120	0	1000	2000	2	+	0.0250	0.0170	0.0330	30.90	0.773	0.525	1.020	-40~40°C	15%~90%RH	5 Years in air	24 months	Long Life Non-depleting
		7NH3-2000S	059-1000-000	≤45	0	2000	2000	5	+	0.0080	0.0040	0.0120	42.20	0.675	0.338	1.013	-40~50°C	15%~90%RH	2 Years in air	12 months	Fast Response
	PH3	7PH3-5	060-0300-000	≤30	0	5	20	0.02	+	2.0000	1.5000	2.5000	80.00	0.800	0.600	1.000	-20~50°C	15%~90%RH	2 Years in air	12 months	
		7PH3-2000	060-0200-000	≤60	0	2000	4000	1	+	0.0700	0.0300	0.1100	4.53	0.634	0.272	0.997	-20~50°C	15%~90%RH	2 Years in air	12 months	
	ClO2	7ClO2-1	061-0200-000	≤60	0	1	10	0.05	-	0.8000	0.6000	1.0000	1000.00	0.800	0.600	1.000	-20~50°C	15%~90%RH	2 Years in air	12 months	
		7ClO2-20	061-0300-000	≤60	0	20	50	0.1	-	0.7000	0.5000	0.9000	56.00	0.784	0.560	1.008	-20~50°C	15%~90%RH	2 Years in air	12 months	
	Cl2	7Cl2-20	062-0300-000	≤45	0	20	50	0.05	-	1.0000	0.7500	1.2500	40.20	0.804	0.603	1.005	-40~55°C	15%~90%RH	2 Years in air	12 months	
		7Cl2-50	063-0400-000	≤45	0	50	100	0.1	-	0.8500	0.6200	0.1100	182.00	0.725	0.460	1.001	-40~55°C	15%~90%RH	2 Years in air	12 months	
	HCl	7HCl-20	063-0400-000	≤70	200	20	50	0.5	+	0.5500	0.4000	0.7000	71.50	0.787	0.572	1.001	-20~50°C	15%~90%RH	2 Years in air	12 months	
		7HCl-20U	063-080S-000	≤75 s	0	20	50	0.04	+	0.3500	0.5000	0.2000	249.00	1.743	2.490	0.996	-20~50°C	15%~90%RH	2 Years in air	12 months	Zero Bias
		7HCl-50	063-0100-000	≤70	200	50	100	0.5	+	0.4500	0.3000	0.6000	33.00	0.743	0.495	0.990	-20~50°C	15%~90%RH	2 Years in air	12 months	
		7HCl-50U	063-090S-000	≤75 s	0	50	50	0.05	+	0.3000	0.4000	0.2000	100.00	1.500	2.000	1.000	-20~50°C	15%~90%RH	2 Years in air	12 months	Zero Bias
	HCN	7HCN-100	063-0300-000	≤70	200	100	200	1	+	0.3000	0.2000	0.4000	25.00	0.750	0.500	1.000	-20~50°C	15%~90%RH	2 Years in air	12 months	
		7HCN-50s	064-1200-000	≤10S	0	50	50	0.2	+	0.0550	0.0400	0.0700	287.00	0.789	0.574	1.005	-20~50°C	15%~90%RH	2 Years in air	12 months	
	CH3SH	7CH3SH-10	065-0100-000	≤60	0	10	20	0.1	+	0.7500	0.5500	0.9500	105.00	0.788	0.578	0.998	-20~50°C	15%~90%RH	2 Years in air	12 months	
		7THT-50	066-0100-000	≤60	300	50	100	0.3	+	0.1500	0.0500	0.2500	80.60	0.605	0.202	1.008	-20~50°C	15%~90%RH	2 Years in air	12 months	
	C2H3Cl	7C2H3Cl-50	067-0300-000	≤120	300	50	100	1	+	0.4000	0.2000	0.6000	33.00	0.660	0.330	0.990	-20~50°C	15%~90%RH	2 Years in air	12 months	
		7C2H3Cl-100	067-0100-000	≤120	300	100	200	1.5	+	0.1850	0.1000	0.2700	37.40	0.692	0.374	1.010	-20~50°C	15%~90%RH	2 Years in air	12 months	
	O3	7O3-1	068-0300-000	≤45	0	1	10	0.02	-	2.0000	1.2500	2.9500	340.00	0.680	0.357	1.003	-40~50°C	15%~90%RH	2 Years in air	12 months	
		7O3-20	068-0200-000	≤45	0	20	50	0.05	-	1.0000	0.7500	1.2500	40.20	0.804	0.603	1.005	-40~50°C	15%~90%RH	2 Years in air	12 months	
		7O3-100	068-0500-000	≤45	0	100	200	0.1	-	0.4500	0.3500	0.5000	13.30	0.732	0.466	0.998	-40~50°C	15%~90%RH	2 Years in air	12 months	
	HF	7HF-10	069-0300-000	≤120	0	10	50	0.2	-	0.4000	0.3000	0.5000	200.00	0.800	0.600	1.000	-20~50°C	15%~90%RH	2 Years in air	12 months	
		7HF-50	069-0200-000	≤120	0	50	100	0.5	-	0.3000	0.2000	0.4000	49.90	0.749	0.499	0.998	-20~50°C	15%~90%RH	2 Years in air	12 months	
	H2O2	7H2O2-10	070-0300-000	≤100	0	10	20	0.005	+	0.7000	0.5000	0.9000	110.00	0.770	0.550	0.990	-20~50°C	15%~90%RH	2 Years in air	12 months	
		7H2O2-100	070-0000-000	≤75	0	100	100	0.01	+	0.5000	0.3500	0.6500	15.80	0.790	0.553	1.027	-20~50°C	15%~90%RH	2 Years in air	12 months	
	CH2O	7CH2O-10	072-0200-000	≤90	0	10	50	0.05	+	2.0000	1.0000	3.0000	33.20	0.664	0.332	0.996	-20~50°C	15%~90%RH	2 Years in air	12 months	
		7CH2O-50	072-0300-000	≤90	0	50	100	0.1	+	0.5500	0.4000	0.7000	28.70	0.789	0.574	1.005	-20~50°C	15%~90%RH	2 Years in air	12 months	

Series	Sensor Type	Product Name	Part Number	T90 (Sec)	Bias (mV)	Range (ppm)	Max Overload (ppm)	Resolution (ppm)	Polarity	NORMAL SENS1 (µA/ppm)	SENS1 MIN (µA/ppm)	SENS1 MAX (µA/ppm)	R_GAIN (Kohm)	NOMINAL FULL SCALE AV (V)	MIN FS ΔV (V)	MAX FS ΔV (V)	Temperature	Humidity Range	Expected Operating Life	Warranty	Notes
35	CO	3CO-2000	051-3200-000	≤30	0	2000	3000	1	+	0.1000	0.0800	0.1200	4.22	0.844	0.675	1.013	-20~50°C	15% ~ 90%RH	3 Years in air	12 months	
		3CO-10000	051-3000-000	≤30	0	10000	20000	1	+	0.0300	0.0240	0.0360	2.80	0.840	0.672	1.008	-20~50°C	15% ~ 90%RH	3 Years in air	12 months	
		3CO-10000CT	051-3000-100	≤30	0	10000	20000	1	+	0.0300	0.0240	0.0360	2.80	0.840	0.672	1.008	-20~50°C	15% ~ 90%RH	3 Years in air	12 months	Applicable to High Concentration Environment (Flue)
	SO2	3SO2-20000	051-3100-000	≤35	0	20000	20000	1	+	0.0150	0.0110	0.0190	2.80	0.840	0.616	1.064	-20~50°C	15% ~ 90%RH	3 Years in air	12 months	
		3SO2-500	056-3100-000	≤35	0	500	500	1	+	0.3700	0.3000	0.4400	4.53	0.838	0.680	0.997	-20~50°C	15% ~ 90%RH	3 Years in air	12 months	
		3SO2-2000	056-3000-000	≤35	0	2000	5000	1	+	0.1000	0.0800	0.1200	4.22	0.844	0.675	1.013	-20~50°C	15% ~ 90%RH	3 Years in air	12 months	
	NO2	3NO2-2000CT	056-3000-100	≤35	0	2000	5000	1	+	0.1000	0.0800	0.1200	4.22	0.844	0.675	1.013	-20~50°C	15% ~ 90%RH	3 Years in air	12 months	Applicable to High Concentration Environment (Flue)
		3NO2-500	057-3000-000	≤35	0	500	1000	0.5	-	0.3700	0.3000	0.4400	4.53	0.838	0.680	0.997	-20~50°C	15% ~ 90%RH	3 Years in air	12 months	
		3NO2-500CT	057-3000-100	≤35	0	500	1000	0.5	-	0.3700	0.3000	0.4400	4.53	0.838	0.680	0.997	-20~50°C	15% ~ 90%RH	3 Years in air	12 months	Applicable to High Concentration Environment (Flue)
	NO	3NO-2000	058-3000-000	≤25	300	2000	5000	1	+	0.1000	0.0800	0.1200	4.22	0.844	0.675	1.013	-20~50°C	15% ~ 90%RH	3 Years in air	12 months	
3NO-2000CT		058-3000-100	≤25	300	2000	5000	1	+	0.1000	0.0800	0.1200	4.22	0.844	0.675	1.013	-20~50°C	15% ~ 90%RH	3 Years in air	12 months	Applicable to High Concentration Environment (Flue)	

Series	Sensor Type	Product Name	Part Number	T90 (Sec)	Bias (mV)	Range (ppm)	Max Overload (ppm)	Resolution (ppm)	Polarity	NORMAL SENS1 (µA/ppm)	SENS1 MIN (µA/ppm)	SENS1 MAX (µA/ppm)	R_GAIN (Kohm)	NOMINAL FULL SCALE AV (V)	MIN FS ΔV (V)	MAX FS ΔV (V)	Temperature	Humidity Range	Expected Operating Life	Warranty	Notes
mini	CO	mini CO-1000	051-5000-000	≤ 25	0	1000	1500	0.18	+	0.0450	0.0300	0.0600	16.50	0.743	0.495	0.990	-40~50°C	15% ~ 90%RH	2 Years in air	24 months	
	H2S	mini H2S-100S	052-5000-000	≤ 25	0	100	100	0.05	+	0.1400	0.1100	0.1700	59.00	0.826	0.649	1.003	-40~50°C	15% ~ 90%RH	2 Years in air	24 months	
	O2	mini O2-LF	053-5000-000	≤ 15	-600mV	25	30	0.1% vol	-	100 µA in air	80 µA in air	120 µA in air	8.25	0.825	0.660	0.990	-40~50°C	15% ~ 90%RH	2 Years in air	24 months	Lead Free
	ETO	mini ETO-100	055-5000-000	≤ 120	300mV	100	500	0.5	+	0.1300	0.0700	0.1900	52.30	0.680	0.366	0.994	-20~50°C	15% ~ 90%RH	2 Years in air	12 months	
	SO2	mini SO2-20B	056-5000-000	≤ 60	0	20	40	0.03	+	0.2500	0.1500	0.3500	143.00	0.715	0.429	1.001	-20~50°C	15% ~ 90%RH	2 Years in air	12 months	
	NO2	mini NO2-20A	057-5000-000	≤ 35	0	20	50	0.03	-	0.2300	0.1100	0.3500	143.00	0.658	0.315	1.001	-20~50°C	15% ~ 90%RH	1 Years in air	12 months	
	NH3	mini NH3-100L	059-5100-001	≤ 60	0	100	200	0.08	+	0.0500	0.0300	0.0700	150.00	0.750	0.450	1.050	-20~50°C	15% ~ 95%RH	2 Years in air	24 months	Long Life Non-depleting
	Cl2	mini Cl2-20	062-5000-000	≤ 35	0	20	50	0.05	-	0.2500	0.1500	0.3500	143.00	0.715	0.429	1.001	-20~50°C	15% ~ 90%RH	2 Years in air	12 months	

Series	Sensor Type	Product Name	Part Number	T90 (Sec)	Bias (mV)	Range (ppm)	Max Overload (ppm)	Resolution (ppb)	Polarity	NORMAL SENS1 (mV/%CH4)	SENS1 MIN (mV/%CH4)	SENS1 MAX (mV/%CH4)	R_GAIN (Kohm)	NOMINAL FULL SCALE AV (V)	MIN FS ΔV (V)	MAX FS ΔV (V)	Temperature	Humidity Range	Expected Operating Life	Warranty	Notes
mini	LEL	mini LEL-2.5V	090-5000-000	< 10	2.5±0.1VDC	100%	100%	1%LEL	+	43.0000	35.0000	51.0000	/	/	/	/	-30~50°C	≤ 95%RH (25°C)	3 Years in air	12 months	

Series	Sensor Type	Product Name	Part Number	T90 (Sec)	Bias (mV)	Range (%)	Max Overload (%)	Resolution (%LEL)	Polarity	NORMAL SENS1 (mV/%CH4)	SENS1 MIN (mV/%CH4)	SENS1 MAX (mV/%CH4)	R_GAIN (Kohm)	NOMINAL FULL SCALE AV (V)	MIN FS ΔV (V)	MAX FS ΔV (V)	Temperature	Humidity Range	Expected Operating Life	Warranty	Notes
45 Combustible	LEL	4EL-3.0	090-R000-000	< 30	/	100	100%	0.01	+	22.0000	15.0000	29.0000	/	/	/	/	-30~50°C	0% ~ 90%RH	2 years in air	12 months	

Series	Sensor Type	Product Name	Part Number	T90 (Sec)	Bias (mV)	Range (ppm)	Max Overload (ppm)	Resolution (ppb)	Polarity	NORMAL SENS1 (µA/ppm)	SENS1 MIN (µA/ppm)	SENS1 MAX (µA/ppm)	R_GAIN (Kohm)	NOMINAL FULL SCALE AV (V)	MIN FS ΔV (V)	MAX FS ΔV (V)	Temperature	Humidity Range	Expected Operating Life	Warranty	Notes
74	CO	744-CO-10	051-1900-200	≤35	0	10	100	15	+	0.3000	0.2000	0.4000	249.00	0.747	0.498	0.996	-40~50°C	15% ~ 90%RH	3 Years in air	24 months	
		744-CO-20	051-2400-200	≤ 35	0	20	100	15	+	0.3000	0.2000	0.4000	124.00	0.744	0.496	0.992	-40~50°C	15% ~ 90%RH	3 Years in air	24 months	
	SO2	744-SO2-5	056-0600-200	≤60	0	5	20	10	+	0.4000	0.2000	0.6000	330.00	0.660	0.330	0.990	-40~55°C	15% ~ 90%RH	3 Years in air	24 months	
		744-SO2-5	056-0600-200	≤60	0	5	20	10	+	0.4000	0.2000	0.6000	330.00	0.660	0.330	0.990	-40~55°C	15% ~ 90%RH	3 Years in air	24 months	
	NO2	744-NO2-5	057-0400-200	≤60	0	5	20	10	-	0.5000	0.3500	0.6500	309.00	0.773	0.541	1.004	-40~55°C	15% ~ 90%RH	3 Years in air	24 months	
	O3	744-O3-5	068-0900-200	≤60	0	5	20	10	-	0.4500	0.2500	0.6500	309.00	0.695	0.366	1.004	-40~50°C	15% ~ 90%RH	3 Years in air	24 months	
	H2S	744-H2S-10	052-1900-200	≤90	0	10	30	2	+	1.5000	1.0000	2.0000	43.90	0.749	0.499	0.998	-30~50°C	15% ~ 90%RH	2 Years in air	24 months	
	NO	744-NO-10	058-0700-200	≤45	300	10	20	15	+	0.4000	0.2000	0.6000	165.00	0.660	0.330	0.990	-20~50°C	15% ~ 90%RH	3 Years in air	24 months	
	NH3	744-NH3-10	059-3500-200	≤120	0	10	50	15	+	0.2000	0.1500	0.2500	402.00	0.804	0.603	1.005	-30~50°C	15% ~ 90%RH	2 Years in air	24 months	

Series	Sensor Type	Product Name	Part Number	T90 (Sec)	Bias (mV)	Range (ppm)	Max Overload (ppm)	Resolution (ppm)	Polarity	NORMAL SENS1 (µA/ppm)	SENS1 MIN (µA/ppm)	SENS1 MAX (µA/ppm)	R_GAIN (Kohm)	NOMINAL FULL SCALE AV (V)	MIN FS ΔV (V)	MAX FS ΔV (V)	Temperature	Humidity Range	Expected Operating Life	Warranty	Notes
Commerical	CO	CO-500	051-2300-000	≤ 30 s	0	500	1000	0.15	+	0.0500	0.0350	0.0650	/	/	/	/	-20~50°C	15% ~ 90%RH	7 years in air	15 months	
		CO-1000	051-2200-000	≤ 30 s	0	1000	2000	0.16	+	0.0400	0.0300	0.0500	/	/	/	/	-20~50°C	15% ~ 90%RH	7 years in air	15 months	
	Water Closet	WAC Air Quality	080-0000-000	≤ 90 s	0	20	20	0.1	+	0.1500	0.1150	0.1850	/	/	/	/	-40~50°C	15% ~ 90%RH	2 years in air	12 months	

Series	Sensor Type	Product Name	Part Number	Output Mode	Number of Channel	Storage Temperature Range	Working Temperature Range	Humidity Range	Notes
NDIR	CO2	IRM-300	A96-0000-Z01	UART, PWM, I2C	Dual	-40~70°C	0~50°C	0%~95%RH	
		IRM-203	A96-0100-000	UART, PWM	Dual	-20~80°C	-10~50°C	0%~95%RH	
		PCLOA	A96-0300-000	UART, PWM	/	-40~70°C	-10~60°C	0%~95%RH	
		ZM-200D	A96-0400-003	UART, PWM	Dual	-40~85°C	-40~85°C	0%~95%RH	
		4CO2-5000	096-0100-000	UART	Dual	-20~50°C	-40~70°C	0%~95%RH	

Series	Sensor Type	Product Name	Part Number	Output	Bias (V)	Range	Response Time (Sec)	Working Temperature Range	Expected Operating Life	Notes
Gamma	X-Ray	3cc Gamma	001-0100-000	60µs quasi-Gaussian pulse	30	50keV to 3MeV	1	-20~50°C	5 years in air	
		Mini Gamma	001-3000-000	/	2.0-5.5	30keV to 3MeV	/	-20~50°C	/	

Product Name	Part Number	Measurement Range (ppm)	Photon Energy	Resolution (ppb)	Sensitivity (mV/ppm)	Response Time (Seconds)	Temperature	Humidity Range	Expected Operating Life	Warranty
4PID-5	PID-106S-0050	0~5	10.6eV	0.5	> 200	< 5	-20~50°C	0%~99% RH	5 years	12 months
4PID-10	PID-106S-0100	0~10	10.6 eV	1	> 100	< 5				
4PID-50	PID-106S-0500	0~50	10.6 eV	10	> 20	< 5				
4PID-100	PID-106S-1000	0~100	10.6 eV	25	> 10	< 5				
4PID-200	PID-106S-2000	0~200	10.6 eV	50	> 5	< 5				
4PID-2000	PID-106S-2001	0~2000	10.6 eV	500	> 0.5	< 5				
4PID-5000	PID-106S-5001	0~5000	10.6 eV	1000	> 0.2	< 5				
4PID-10000	PID-106S-1002	0~10000	10.6 eV	2000	> 0.1	< 5				

Product Name	Part Number	Measurement Range (ppm)	Photon Energy	Resolution (ppb)	Sensitivity (mV/ppm)	Response Time (Seconds)	Temperature	Humidity Range	Expected Operating Life	Warranty
7PID-5	PID-106K-0050	0~5	10.6 eV	0.5	> 200	< 5	-20~50°C	0%~99% RH	5 years	12 months
7PID-10	PID-106K-0100	0~10	10.6 eV	1	> 100	< 5				
7PID-20	PID-106K-0200	0~20	10.6 eV	1	> 60	< 5				
7PID-100	PID-106K-1000	0~100	10.6 eV	10	> 10	< 5				
7PID-200	PID-106K-2000	0~200	10.6 eV	20	> 5	< 5				
7PID-1000	PID-106K-1001	0~1,000	10.6 eV	100	1	< 5				
7PID-2000	PID-106K-2001	0~2000	10.6eV	200	>0.5	< 5				
7PID-5000	PID-106K-5001	0~5,000	10.6 eV	500	> 0.2	< 5				
7PID-10000	PID-106K-1002	0~10,000	10.6 eV	1,000	> 0.1	< 5				