

Specifications - Toxic Gas Transmitters (Class I, Div. 2)						
	O2 Oxygen	H2S Hydrogen Sulfide	CO Carbon Monoxide	Toxics	CO2 Carbon Dioxide	
Part#	65-2666RK *65-2644RK	65-2662RK	65-2663RK	See Chart Below	65-2661RK-02 65-2661RK-03 65-2661RK-05 65-2661RK-10	
Sensors	Galvanic cell	Electrochemical			Infrared	
Measuring Ranges	0-25% Vol.	0-100 ppm	0-300 ppm	See Chart Below	-02	0 – 5000 ppm
					-03	0 – 5% Vol.
					-05	0 – 50% Vol.
					-10	0 – 100% Vol.
Resolution	0.1% Vol.	1 ppm		See Chart Below	20 ppm / 0.01% Vol. / 0.1% Vol. / 1%Vol.	
Lower Detectable Limit (LDL)	0.1% Vol.	2% of full scale				
Response Time (T-90)	35 Seconds or less			60 Seconds or less	30 Seconds or less	
Max Current Draw (24VDC)	125 mA with alarm 1 and alarm 2 active and all relays energized				160 mA with alarm 1 and alarm 2 active and all relays energized	
Life Expectancy	2 to 3 years with normal service				5 years plus	
Accuracy (which ever is greater)	± 0.5% Vol. O2	± 5% of reading or ± 2 ppm H2S	± 5% of reading or ± 5 ppm CO	± 10% of reading or ± 5% of full scale	± 5% of reading or ± 2% of full scale	
<b>Alarms</b>						
Alarm Settings	Two fully programmable alarm set points, increasing / decreasing, latching / self-resetting, on delays, off delays, normally energized or de-energized,					
Alarm Indication	Visual LEDs. Alarm 1=Amber; Alarm 2=Red; Fail=Red					
Relays	5 Amp form 'C' contacts for alarm 1, alarm 2, and fail					
<b>Physical</b>						
Dimensions	Height: 8.5" (215 mm), Width: 5.2" (132 mm), Depth: 4.5" (114 mm)					
Display	Alphanumeric OLED display. 8 characters per line; 2 lines for gas concentration readout, plus user-friendly calibration and setup					
Sensor Rating	Non explosion proof construction, designed for Class I, Div. 2, Groups B, C, D (no certification)					
Housing J-Box	NEMA 4X, explosion proof, watertight, cast aluminum with o-ring seal and epoxy powder coating					
Controls	Magnet used for calibration functions. Calibrates without opening the housing. Internal push-button controls also available for calibration and setup					
Sensor	Aluminum / Plastic (non explosion proof)					
<b>Operating Environment</b>						
Operating Temperature	-4°F to 113°F	-40°F to 104°F	23°F to 104°F	14°F to 104°F	-40°F to 122°F	
	-20°C to 45°C	-40°C to 40°C	-5°C to 40°C	-10°C to 40°C	-40°C to 50°C	
Relative Humidity	5 – 95% RH non-condensing					
Location	Indoor or outdoor					
Operating Voltage	10 VDC – 30 VDC					
<b>Outputs</b>						
Analog	Linear 4-20 mA signal, into 1000 ohms impedance max (24DC), 0 – 500 ohms max (12VDC) corresponding to 0 – full scale					
Digital	Modbus RTU output standard, fully configurable, 2-wire RS-485, 1200 to 19.2k baud					
Controllers	Beacon 110, Beacon 200, Beacon 410A, Beacon 800 as well as most DCS / PLC systems					
Warranty	One year materials and workmanship					
	<b>Part Number With J-Box</b>	<b>Gas</b>	<b>Range</b>	<b>Resolution</b>	<b>Sensor Type</b>	
	65-2670RK-NH3-75	Ammonia (NH3)	0 – 75.0 ppm	0.1 ppm	CT-7	
	65-2670-NH3-1	Ammonia (NH3)	0 – 100 ppm	1 ppm	CT-7	
	65-2670-NH3-2	Ammonia (NH3)	0 – 200 ppm	1 ppm	CT-7	
	65-2670-NH3-5	Ammonia (NH3)	0 – 500 ppm	1 ppm	CT-7	
	65-2670-NO2	Nitrogen Dioxide (NO2)	0 – 15.0 ppm	1 ppm	CT-7	
	65-2648RK-AsH3	Arsine (AsH3)	0 – 1.50 ppm	0.1 ppm	ESM -01	
	65-2670RK-CL2-3	Chlorine (Cl2)	0 – 3.00 ppm	0.01 ppm	CT-7	
	65-2670RK-CL2-10	Chlorine (Cl2)	0 – 10.0 ppm	0.1 ppm	CT-7	
	65-2670RK-CLO2	Chlorine Dioxide (ClO2)	0 – 1.00 ppm	0.01 ppm	CT-7	
	65-2648RK-HCN	Hydrogen Cyanide (HCN)	0 – 15.0 ppm	0.1 ppm	ESM -01	
	65-2648RK-PH3	Phosphine (PH3)	0 – 1.00 ppm	0.01 ppm	ESM -01	
	65-2648RK-SO2	Sulfur Dioxide (SO2)	0 – 6.00 ppm	0.01 ppm	ESM -01	