



M2A-XL Transmitter type gas detector head.

Model: M2A-XL series.



Feature.

- * Transmitter type gas detector.
- * Explosion proof(Class I, Div 1, Groups B,C,D).
- * Measuring gases:
Combustible, O₂, CO, CO₂, CH₄ 100%VOL.
Toxic gas(NH₃,AsH₃,Cl₂,ClO₂,HCN,NO₂,SO₂).
- * User friendly setup, menus.
- * Sensor replacement by plug-in design.
- * Easy operation by magnet key.
- * 4-20mA & modbus output.
- * patented water repellent sensor cover.
- * CSA, UL, cULus Approval.

Applications.

- * USA factories and USA army.
- * Sewage treatment plants.
- * all other industrial site.

The RKI M2A-XL™ is a state-of-the-art transmitter that can operate as an independent, stand-alone monitor or a part of an integrated system.

The M2A-XL connects with an analog or digital signal to virtually any controller, PLC, or DCS.

Setup procedures are simplified with user friendly push buttons and OLED menus.

It utilizes a magnetic wand technique for performing non-intrusive calibration.

The M2A-XL provides an automatic zero drift correction feature, which results in more stable readings and reduces the need for adjustments due to sensor aging.

The housing of the M2A-XL does not need to be opened for zeroing or calibration, making it unnecessary to declassify the area for routine maintenance.

It is designed so that a complete field calibration can be performed by one person.

Sensor construction is rated Class I, Div. 1 Groups B, C, D for flammables, CO, H₂S, O₂, and CO₂, and Class I, Div.2 for all other toxics.

The transmitter provides a 4-20 mA output in addition to a Modbus digital output.

It also has two levels of alarms with relays, plus a fail alarm with relay.

A digital display of the gas concentration, as well as alarm and status lights, can be viewed through the front window.

The toxic sensors are electrochemical type plug-in sensors, which provide high specificity, fast response, and long life.

The plug-in design allows quick replacement in the field with no tools required.


Toxic sensors are designed for use in Class I, Div. 2 hazardous locations.

Sensors available for NH₃, AsH₃, Cl₂, ClO₂, HCN, PH₃, NO₂ and SO₂.

The M2A-XL represents the latest leading edge technology in sensor / transmitters today.

Specifications.

#Another page of CO & H2S gas detector.

		combustible gas		H2	O2	CH4	HC	CO2
		%LEL	PPM	%LEL		Methane	HC gases	
	UL	65-2640XL	65-2647XL	65-2641XL	65-2643XL	65-2649XL-CH4	65-2649XL	65-2660XL-02
CSA	65-2640XL-05	65-2647XL-05	65-2641XL-05	-05	65-2658XL-CH4	-HC	65-2660XL-03 65-2660XL-05 65-2660XL-10	
sensor	Catalytic			Electrochem	IR			
M.range	0~100%LEL	0-9000 ppm CH4	0~100%LEL	0~25%VOL	0~100% LEL 0~100% VOL.	0~100% LEL.	0~5000ppm 0~5%VOL 0~50%VOL 0~100%VOL	
Resolution	1%LEL	20ppm	1%LEL	0.1%VOL	1%LEL/1%VOL		20,0.01,0.1,1	
Min. M. value	2% of full scale			0.1%VOL	2% of full scale			
Max. current (DC24V)	160mA with alarm 1 & 2 & relay energized			125mA	160mA with alarm 1 & 2 & relay energized			
Response T(90)	within 35 sec			90 sec	within 30 sec			
Accuracy	± 5% of reading or ± 2%LEL.			± 0.5% O2	± 5% of reading or ± 2% of full scale.			
Weather resistant	Patented water repellent sensor cover							
Location & Exd.	Indoor, Outdoor, Explosion approval(class I, Div 1, groups B.C.D).							
Temperature	-40°C~75°C			-20°C~50°C	-40°C~50°C			
Humidity	0~99%RH, non condensing.							
Housing	cast aluminum, explosion proof, NEMA 4X, explosion proof, watertight							
Control	Magnet used for calibration functions. Calibrates without opening the housing.							
sensor	Stainless steel explosion proof sensor.							
Output signals	4~20mA & modbus RTU standard.							
Working voltage	DC10V~30V							
Approval	65-2640XL UL 65-2640XL-05. cCSAus	cCSAus			cULus			
Connect gas indicators	Beacon 110, 200, 410A, 800, 3200. and PLC & DCS.							
Technical support.								
Technical support	SMG provides 40 years of service engineering experience(consultation/specification review/wiring diagram, technical support in accordance with USA NFPA regulation.							
Calibration	SMG, a KOLAS-approved organization, provides high-quality calibration services.							

제품 리스트

Product No.	사양
65-2646XL-05	M2A-XL, CO, 0~300ppm, sensor/transmitter w/ j-box, cCSAus version
65-2667XL-HC	M2A-XL, HC, %LEL, 0~100%LEL, transmitter w/ plug -in stype sensor & J-box
65-2641XL-05	M2A-XL, H2, 0~100%LEL, sensor(catalytic)/transmitter w/J-box, CSA version.
65-2641XL	M2A-XL, H2, 0~100%LEL, sensor(catalytic)/transmitter w/J-box, UL version.
65-2642XL	M2A-XL, HCN, 0~15ppm, sensor/transmitter w/J-box, cCSAus version.
65-2645XL-05	M2A-XL, H2S, 0~100ppm, sensor/transmitter w/J-box, cCSAus version.
65-2660XL-10	M2A-XL, CO2 IR, 0~100%, sensor/transmitter w J-box, cCSAus version.
65-2660XL-02	M2A-XL, CO2 IR, 0~5,000ppm, sensor/transmitter w J-box, cCSAus version.
65-2660XL-03	M2A-XL, CO2 IR, 0~5%, sensor/transmitter w J-box, cCSAus version.
65-2660XL-05	M2A-XL, CO2 IR, 0~50%, sensor/transmitter w J-box, cCSAus version.
65-2649XL-HC	M2A-XL, HC IR, 0~100%LEL,sensor/transmitter w/J-box, cULus version.
65-2649XL-CH4	M2A-XL, CH4 IR, 0~100%LEL,sensor/transmitter w/J-box, cULus version.
65-2658XL-CH4	M2A-XL, CH4 IR, 0~100%VOL,sensor/transmitter w/J-box, cULus version.
65-2640XL-05.	M2A-XL, 0~100%LEL, sensor(catalytic)/transmitter w J-box, cULus version.
65-2640XL	M2A-XL, 0~100%LEL, sensor(catalytic)/transmitter w J-box, UL version.
65-2667XL-CH4	M2A-XL, CH4, %LEL, 0~100%LEL, transmitter w/ plug -in stype sensor & J-box
65-2647XL	M2A-XL, CH4, 0~9,000ppm,sensor/transmitter w/J-box.
65-2647XL-05	M2A-XL, CH4, 0~9,000ppm,sensor/transmitter w/J-box, cULus version.
65-2643XL-05	M2A-XL, O2, 0~25%,sensor/transmitter w/J-box, cULus version.

Remote 타입 M2A-XL 가스감지부. 칼리브레이션 아답터/splash guard포함.

Product No.	사양
65-2641XL-05-04	M2A-XL, H2, 0~100%LEL, sensor/transmitter w/J-box, remote detector and calibration adapter/splash guard, cCSAus version.
65-2641XL-04	M2A-XL, H2, 0~100%LEL, sensor/transmitter w/J-box, remote detector and calibration adapter/splash guard, UL version.
65-2645XL-05-04	M2A-XL, H2S, 0~100ppm, sensor/transmitter w/J-box, remote detector and calibration adapter/splash guard, cCSAus version.
65-2649XL-HC-04.	M2A-XL, HC IR, 0~100%LEL,sensor/transmitter w/J-box, remote detector and calibration adapter/splash guard, cCSAus version.
65-2649XL-CH4-4	M2A-XL, CH4 IR, 0~100%LEL,sensor/transmitter w/J-box, remote detector and calibration adapter/splash guard, cCSAus version.
65-2658XL-CH4-4	M2A-XL, CH4 IR, 0~100%VOL,sensor/transmitter w/J-box, remote detector and calibration adapter/splash guard, cULus version.
65-2640XL-04	M2A-XL, 0~100%LEL, sensor(catalytic)/transmitter w/J-box, (specify calibration) remote detector and calibration adapter/splash guard, UL version.
65-2640XL-05-04	M2A-XL, 0~100%LEL, sensor(catalytic)/transmitter w/J-box, (specify calibration) remote detector and calibration adapter/splash guard, cCSAus version.
65-2643XL-05-04	M2A-XL, O2, 0~25%, sensor/transmitter w/J-box, remote detector and calibration adapter/splash guard, cCSAus version.



65-2640XL-04



81-1116RK
cal cup



65-2649XL-CH4-4



81-1103RK-01
cal cup / splash guard for IR

M2A-XL 가스감지부의 기타 부분품



Beacon과 M2A-XL 케이블 최대거리.	케이블 가닥수	18AWG	16AWG	14AWG
	3 core(3C).	762m	1,524m	2,438m

[Beacon과 M2A-XL연결예].



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