



T3A Transmitter type gas detector.

Model: T3A



Feature.

- * Transmitter type gas detector.
- * Explosion proof(Class I, Div 1, Groups B,C,D).
Ex db IIB Gb,
- * Measuring gases:
Combustible, O₂, CO, CO₂, CH₄ 100%VOL.
Toxic gas(NH₃,AsH₃,cL₂,cLO₂,HCN,NO₂,SO₂).
- * User friendly setup, menus.
- * 1st & 2nd alarm contact supply.
- * Easy operation by magnet key.
- * 4-20mA & modbus output.
- * patented water repellent sensor cover.

Applications.

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

The RKI T3 gas detector is a state-of-the-art, multi-purpose gas detector developed to detect a variety of gases.

It comes standard with wired power (DC12-35V) and 4-20mA and RS-485 Modbus outputs.

On-site calibration using a magnetic key allows for easy calibration without opening the lid, and complete system configuration and diagnostics are available.

Gas Type	Range	T ₉₀	Hazard Classification
LEL Catalytic	0 - 100% (0-5% Vol.)	< 90 sec.	Class 1, Div 1
CL ₂	0 - 10 ppm	< 60 sec.	Class 1, Div 2
CLO ₂	0 - 1 ppm	< 120 sec.	Class 1, Div 2
CO	0 - 300 ppm	< 30 sec.	Class 1, Div 1
CO ₂	0 - 5% vol.	< 30 sec.	Class 1, Div 1
H ₂ S	0 - 100 ppm	< 30 sec.	Class 1, Div 1
H ₂ S 2K	0 - 2000 ppm	< 25 sec.	Class 1, Div 1
HCL	0 - 30 ppm	< 300 sec.	Class 1, Div 2
HCN	0 - 30 ppm	< 70 sec.	Class 1, Div 2
HF	0 - 10 ppm	< 90 sec.	Class 1, Div 2
LEL-IR	0 - 100% (0-5% Vol.)	< 30 sec.	Class 1, Div 1
LEL-IR-HC	0 - 100% LEL	< 30 sec.	Class 1, Div 1
NH ₃	0 - 100 ppm	< 90 sec.	Class 1, Div 2
NH ₃ 300	0 - 300 ppm	< 120 sec.	Class 1, Div 2
NH ₃ A	0 - 1000 ppm	< 120 sec.	Class 1, Div 2
NO ₂	0 - 20 ppm	< 25 sec.	Class 1, Div 2
O ₂	0 - 25 Vol.	< 15 sec.	Class 1, Div 1
PH ₃	0 - 5 ppm	< 30 sec.	Class 1, Div 2
SO ₂	0 - 20 ppm	< 35 sec.	Class 1, Div 1

·Specifications.

sensor	Catalytic, IR, Electrochemical cell.
Input power	DC12V~35V. 3 wires.
Power Draw	2W
Protection	Power electromagnetic interference (EMI) filter
	4-20mA surge suppression.
	RS-485 surge suppression.
Display	102x64 Resolution graphical LCD screen
Interface	Push-buttons (MENU, ADD and SUB)
	3 Magnetic non-intrusive switches for calibration
customer setting	2 Individual-configurable alarm LED/relay set-points
Temp.	-40°C ~ +60°C
Output(Digital)	RS-485 modbus
Output(Analog)	4-20mA(3 wires)
	Fault terminal, wet relay contact. Has it's own power.
	Optional 2 dry-contact relays with replaceable 4 amp fuses
Dimension	W152 x H232 x D139mm, 2.7kg
Remote sensor kit (Option)	하우징 포함 원격 센서키트(5핀)
	Remote sensor kit with enclosure(5 pin)
	* Electrochemical sensor max. length: 250 feet.
	* Infrared sensor max. length: 40 feet.
	* Catalytic bead sensor max. length: 15 feet.
# Advantages: For light gases, the sensor is installed on the ceiling, but the housing is installed at eye level, making maintenance and repair easy.	
Exp. Approval.	
Main housing	Certified explosion/flame proof cQPSus Class I, Division 1 & 2, Groups B, C & D. Nema 3,4, 4X,7(B,C,D) 9(E,F,G) Temp.= -20°C to +60°C
Sensor housing	Certified explosion/flame proof cQPSus Class I, Division 1 & 2, Groups B, C & D. Temp.= -40°C to +60°C Note, Certification only applies to some gases. Toxic gases not certified for Div.1 location are suitable for Div.2 applications but have no third party approval.
Connect with	RKI Beacon 시리즈, DCS, PLC system. Beacon 110, 200, 410A, 800 & MC-6400.
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.

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