

Fixed Remote Detector



RAP100-RDX

Fixed Remote Detector

Product Overview

RAP100-RDX is a gas transmitter for use with remotely mounted gas sensors. This configuration is ideal for applications where the sensor is required to be mounted remotely from the transmitter. For example duct pipeline, application to measure gases with lighter weight than air including NH3, H2 etc. The transmitter can be mounted at a suitable location away from the sensor where it is easy to access, view its display and interact with via the user interface.

Product Feature

- IECEx/ATEX certified, IP66/IP68 protection rate.
- The transmitter connect with sensor by RS485.
- The maxmum distance from transmitter to the sensor is 1000m.
- Compatible with Catalytic, IR, Electrochemical, PID, etc hundreds of selectable gas sensors.
- Fully configurable via non-intrusive magnetic wand or remote control.
- Support 4-20mA, RS485 and 3 relay output.
- Comes with mounting bracket for easy installation.



Technical parameters

Gas Detected:	Toxic gases, oxygen, flammable, VOC gases
Detection Principle:	Electrochemical, NDIR, Catalytic, PID, etc
Measure range:	Specified according to application
Resolution:	Specified according to application
Accuracy:	≤ ±2-5%FS (Depending on the specific sensor)
Explosion-proof grade:	IECEX: Ex db IIC T6 Gb, Ex db ia IIC T6 Gb ; ATEX: Ex db IIC T6 Gb, Ex db ia IIC T6 Gb
Protection grade:	IP66/68
Power comsuption:	Toxic gas<2.5W, flammable gas<4W
Transmitter output	4-20mA(3-wires), RS485, relay
Working voltage:	12-24VDC
Relay:	3 relays, including low/high/fault alarm relay
Display:	LED display
Working Humidity	0-95%RH
Working temperature:	-40℃ ~ 70℃ (Catalytic sensor) , -20℃ ~ 50℃ (Electrochemisrty sensor)
Working pressure:	86kPa~106kPa
Enclosure material:	Die casting aluminum, SS316 stainless steel for option
Cable Entries	Standard ¾ NPT(Left side) & M20 (Right side)
Size:	157.8x128.8x69.6mm
Weight:	1.0Kg
Warranty:	1 year