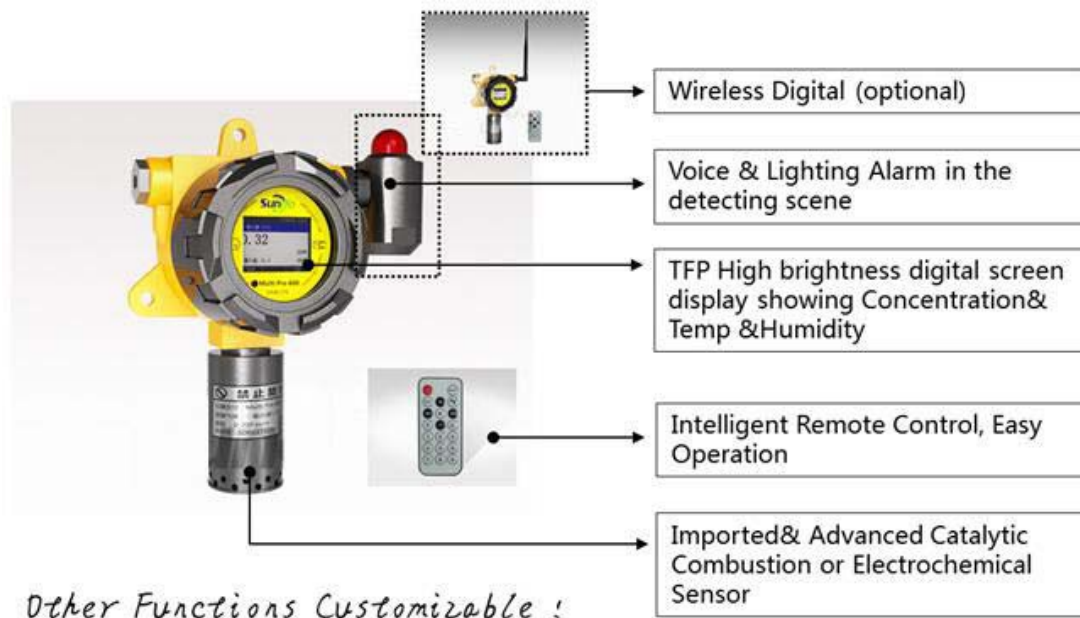


NAME : FIXED GAS DETECTOR

MODEL : Multi Pro 600A

PICTURE :



Product Overview :

Continuously monitor for the threat of Toxic gases and combustible/flammable gas in hazardous locations with the fixed Multi Pro 600A gas detector. This monitor is easy to configure and maintain in the field. The fixed gas detector is able to monitor various industrial environment or special environments for 24h continuously. The unique function of infrared remote control enables to operate and maintain the device without touching it. Low, high, and fault relays can be configured to trigger alarms or integrate with your process controls for automatic shutdown in response to gas threats. A magnetic key interface enables the detector to be calibrated and operational parameters adjusted with the explosion-proof enclosure in place.

Characteristics :

- ◆ The adoption of world cutting-edge sensor and micro-control integration technology,
- ◆ Rapid response, precise in measurement
- ◆ 4-20mA analog signal output, double relay signals, RS485 signal, wireless digital (optional)

- ◆ Unique function of infrared remote control enables setting of parameters and maintenance of the device without opening the cap
- ◆ Compatible with various control alarms, control systems such as PLC, DCS, which realizes
- ◆ Remote monitoring
- ◆ Explosion-proof design, rapid, precise and stable;
- ◆ Explosion-proof Grade: Ex dIICT6

Functions :

- ◆ Be able to monitor gas concentration in the environment or in the pipeline for 24h continuously.
- ◆ Software controlled self-calibration and zero calibration functions make the measurement more precise.
- ◆ With temperature compensation, be able to realize gas concentration compensation under conditions of different temperatures.
- ◆ Infrared remote control enables alarm point settings, zero point calibration and address modification etc. without opening the cap.
- ◆ Be able to output one or two switching value signal(s), be able to drive external devices such as the ventilator or solenoid valve.
- ◆ Working Voltage: 12-36V DC power supply.
- ◆ Housing Material: Die-casting aluminum.

Applications:

- ◆ Petroleum chemical industry, industrial production, smelting and forging, electric power, coal mining, tunnel engineering, environmental monitoring and sewage disposal
- ◆ Biological pharmaceutical, household environmental protection, animal husbandry and livestock breeding, greenhouse cultivation, warehousing and logistics, brewing and fermentation, agricultural production
- ◆ Fire prevention, gas, building construction, municipal enterprises, scientific research center, and school laboratory

TECHNICAL SPECIFICATIONS			
Target Gas	Toxic gases and combustible/flammable gas		
Principle of Detection	Electrochemistry & Catalytic Combustion		
Installation	Hang on wall, in pipeline, or circulating (depending on target environment)		
Range of Measurement	0-100%LEL、 0-10ppm、 0-20ppm、 0-50ppm 、 0-1000ppm、 0-4000ppm (optional)		
Resolution	1LEL for combustible gas、 0.01ppm、 0.1ppm、 1ppm (optional)		
Precision	2%FS		
Signal Output	4-20MA、 RS485 , RS232 , relay , wireless digital (optional)		
Time of Response	≤20S	Time of Recovery	≤20S
Repeatability	≤±1%	Linear Error	≤±1%
Zero Drift	≤±1% (F.S/Year)	Display Technology	2.0 inch industrial color screen display
Connection Mode	G1/2	Dimension of Thread	M45*2mm
	Relief-thread explosion-pro of hose		
Working Temperature	-20℃~70℃	Working Humidity	10-95%RH
Explosion-proof Grade	Ex dⅡCT6	Protection Grade	IP65
Power	12-36VDC	Time of work	24h online
Dimensions	195×155×70mm	Weight	≤1.8kg
Remarks: The detecting range and alarm threshold value can be adjusted according to customer's request.			

Gas Parameter List

Gas Type	Detection Range	Alarm Threshold	Sensor Type
NH ₃ (Ammonia)	0-100 PPM	25 PPM / 50 PPM	Electrochemical sensor
Cl ₂ (Chlorine)	0-50.0 PPM	1.0 PPM / 2.0 PPM	
H ₂ (Hydrogen)	0-1000 PPM	50 PPM / 100 PPM	
CH ₂ O (Formaldehyde)	0-100 PPM	25 PPM / 50 PPM	
O ₂ (Oxygen)	0-30.0%VOL	18.5%VOL / 23.5%VOL	
H ₂ S (Hydrogen Sulfide)	0-100 PPM	10 PPM / 20 PPM	
HCl (Chlorine Hydride)	0-30.0 PPM	5.0 PPM / 10.0 PPM	
HCN (Hydrocyanic Acid)	0-50.0 PPM	5.0 PPM / 10.0 PPM	
PH ₃ (Phosphine)	0-20.0 PPM	0.3 PPM / 0.6 PPM	
HF (Fluorine Hydride)	0-10.0 PPM	3.0 PPM / 6.0 PPM	
NO (Nitrogen Oxide)	0-250 PPM	25 PPM / 50 PPM	
CO (Carbon Monoxide)	0-1000 PPM	50 PPM / 100 PPM	
SO ₂ (Sulfur Dioxide)	0-20.0 PPM	2.0 PPM / 10.0 PPM	
SO ₂ (Sulfur Dioxide)	0-2000 PPM	10 PPM / 20 PPM	
ClO ₂ (Chlorine Dioxide)	0-50.0 PPM	0.3 PPM / 0.5 PPM	
NO ₂ (Nitrogen Dioxide)	0-20.0 PPM	1.0 PPM / 2.0 PPM	
C ₂ H ₄ O (Ethylene Oxide)	0-100 PPM	1 PPM / 10 PPM	
O ₃ (Ozone)	0-20.0 PPM	5.0 PPM / 10.0 PPM	
CH ₄ (Methane)	0-100%LEL	25%LEL / 50%LEL	Catalytic Combustion sensor
C ₃ H ₈ (Propane)	0-100%LEL	25%LEL / 50%LEL	
H ₂ (Hydrogen)	0-100%LEL	25%LEL / 50%LEL	
NH ₃ (Ammonia)	0-100%LEL	25%LEL / 50%LEL	
C ₂ H ₄ O (Ethylene Oxide)	0-100%LEL	25%LEL / 50%LEL	
CH ₃ CH ₃ (Ethane)	0-100%LEL	25%LEL / 50%LEL	
C ₂ H ₄ (Ethylene)	0-100%LEL	25%LEL / 50%LEL	
C ₄ H ₁₀ (Butane)	0-100%LEL	25%LEL / 50%LEL	

C4H8 (Butylene)	0-100%LEL	25%LEL / 50%LEL	
C7H8 (Methylbenzene)	0-100%LEL	25%LEL / 50%LEL	
C2H7N (Ethylamine)	0-100%LEL	25%LEL / 50%LEL	
C8H10 (Ethylbenzene)	0-100%LEL	25%LEL / 50%LEL	
CH4O (Methanol)	0-100%LEL	25%LEL / 50%LEL	
C2H6O (Ethanol)	0-100%LEL	25%LEL / 50%LEL	
C3H4O (Acrolein)	0-100%LEL	25%LEL / 50%LEL	
C2H3Cl (Chloroethylene)	0-100%LEL	25%LEL / 50%LEL	
C2H7N(Ethylamine)	0-100%LEL	25%LEL / 50%LEL	
C3H9N (Isopropylamine)	0-100%LEL	25%LEL / 50%LEL	
CH3Br (Methyl Bromide)	0-100%LEL	25%LEL / 50%LEL	
CO2 (Carbon Dioxide)	0-10.0%vol	1.0%vol / 3.0%vol	NDIR infrared sensor
CO2 (Carbon Dioxide)	0-5000ppm	800 PPM / 1500 PPM	
CH4 (Methane)	0-5.0%vol	1.0%vol / 3.0%vol	
CH4 (Methane)	0-100%vol	5%vol / 10%vol	
Remarks:			
1. Some gas types are not listed yet. If request, please inform us.			
2. The detection range and alarm threshold values can be adjusted according to customer's request.			