

Flammable-Gas Personal Detector

PT-XC200



TOXIC/FLAMMABLE GAS DETECTION

1 Product description :

Portable combustible personal detector works in a continuous way of detection of volatile gases concentration, as intrinsically safe, it's suitable for explosive hazardous places.

2 Features and benefits :

- ✦ Small size, light weight, easy to carry
- ✦ Sound, light, vibration, etc., 3 kinds of alarm
- ✦ Silence function
- ✦ Rechargeable lithium battery; Continuous working for more than 16hs.
- ✦ Low /high limit alarm options, easily rewrite the alarm point
- ✦ Zero adjustable setting and full scale calibration no need to power on
- ✦ Gas sensor open& short circuit fault detection function
- ✦ Display the remaining working time of the instrument
- ✦ Continuous working for 28 days, margin of error "± 5% LEL
- ✦ Explosion-proof design

3 Gas types:

The alarm can be used for the following combustible gas explosion detection:

Natural gas	Liquefied petroleum gas	Coal gas	Hydrogen	Pentane	Hexane
Ethane	Acetylene	Butane	N-butane	Iso-butane	Methylbenzene
Halohydrocarbon	Chloromethane	Methylene Chloride	Trichloroethane	Chloroethylene	
Alcohol	Methyl alcohol	Ethyl alcohol	Propyl alcohol		
Ether、Ketone	Butanone	Acetone			
Other Compounds	Gasoline cleaning fluid	Industrial Solvent Methyl acetate, etc.	Paint	Nitrocellulose lacquer	Thinner Refrigerant Dry

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4 Technical parameters:

Battery type:	Lithium-ion polymer	
Battery parameters:	Rated voltage 4.2V, the nominal capacity of 1800mAH	
Working current:	Normal current: $\leq 100\text{mA}$	
	Alarm current: $\leq 170\text{mA}$	
Explosion-proof grade:	ExibdIIBT3	
Sensor type:	Catalytic combustion	
Detection method:	Diffusion type	
Measuring range:	0~100%LEL	
Response time:	T90<60s	
Full charge continuous working time:	≥ 16 hrs	
Error:	$\pm 5\%$ FS	
Use of the environment:	Temperature:	-10°C ~ 40°C
	Relative humidity:	15% -95%, no condensation
Storage environment:	Temperature:	-20°C ~ 60°C
	Relative humidity	$\leq 90\%$, no condensation
Charging temperature range:	0°C ~ 40°C	
Ingress protection class:	IP54	
Material:	ABS	
Dimension:	102mm×62mm×35mm	
Weight:	150g	

5 Application:

- ⊕ Gas
- ⊕ Fire
- ⊕ Emergency Rescue
- ⊕ Pharmaceuticals
- ⊕ Papermaking
- ⊕ Aviation
- ⊕ Chemistry