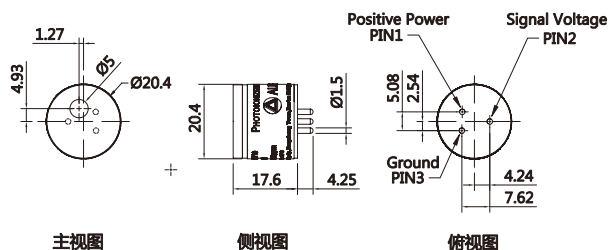
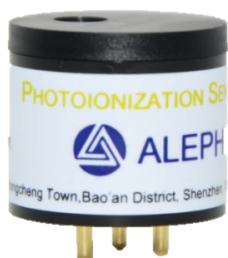


▶ 光离子气体(PID)传感器

由紫外灯、高灵敏度低噪声检测电路和微型电离室构成的光离子化传感器，可对电离能低于10.6eV的VOC气体进行检测，检测量程最低20ppm。可用于各类手持便携式、现场固定式环境监测仪器仪表，也可应用于多种类型的分析仪器。

光离子化传感器可用于大多数有机挥发物及部分无机蒸气的检测，且具有极快的响应速度和极高的分辨率，在环境保护、石油化工等方面应用广泛。



项目	参数						
量程(ppm)	20	50	100	200	1000	2000	10000
分辨率(ppb)	1.5	2.5	5	10	50	100	500
灵敏度(mv/ppm)	120	48	24	12	2.4	1.2	0.24
检测气体	苯系物、有机氯化物、氟利昂系列、有机酮、醇酯、石油烃化物等（电离能低于10.6eV的VOC气体）						
工作电流(mA)	24~40						
工作电压(VDC)	3.2~5.5						
零点电压(VDC)	0.04~0.20						
输出信号电压(VDC)	0.04~2.50						
响应时间(s@T90)	<4	<4	<4	<2	<2	<2	<2
精度(%)	±3						
湿度(%)	0~90 RH						
工作压力(H Pa)	700~1200						
储存温度(°C)	-40~85						
工作温度(°C)	-20~60						
安装方式	3脚插入式						

注：参考气体异丁烯

技术要领

01 整机体积小 重量轻

02 高精度 高分辨率 响应迅速快

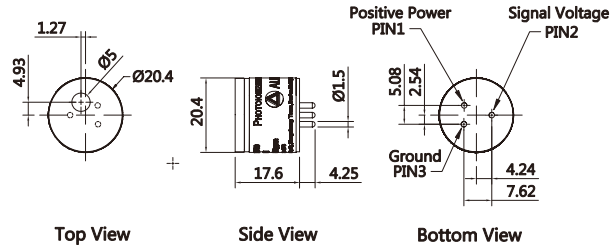
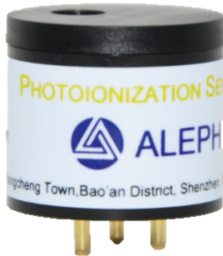
03 抗污染设计 耐潮湿

04 灯泡寿命居于行业领先水平

► Photo Ionization Detector(PID)Sensor

The Photo Ionization Detector(PID)sensor, which consists of UV lamp, high sensitivity and low noise detection circuit and miniature ionization chamber, can detect VOC gas with ionization energy lower than 10.6eV and detection range up to 20 PPM. It can be easily applied to all kinds of portable, field fixed instruments, and also can be applied to a variety of types of analytical instruments.

Photo Ionization Detector(PID)sensor can be used for the detection of most organic volatiles and some inorganic vapors, and have extremely fast response speed and high resolution, and are widely used in environmental protection, petrochemical and other fields.



ITEM	Parameter						
Range(ppm)	20	50	100	200	1000	2000	10000
Resolution(ppb)	1.5	2.5	5	10	50	100	500
Sensitivity(mv/ppm)	120	48	24	12	2.4	1.2	0.24
Gas Detected	benzene series , organic chloride, freon series, Organic ketone, alcohol ester, petroleum hydrocarbon and so on(the VOC gas with the ionization energy less than 10.6eV)						
Operating current(mA)	24~40						
Operating voltage(VDC)	3.2~5.5						
Zero voltage(VDC)	0.04~0.20						
Output voltage(VDC)	0.04~2.50						
Response time(s@T90)	< 4	< 4	< 4	< 2	< 2	< 2	< 2
Accuracy(%)	±3						
Humidity(%)	0~90 RH						
Operating pressure(H PA)	700~1200						
Storage Temp(°C)	-40~85						
Operating Temp(°C)	-20~60						
Installation method	plug-in (3 pin)						

Note: Reference gas isobutene

Features

- 01** Small size Light weight
- 02** High precision High resolution Quick response
- 03** Anti-pollution, moisture resistance
- 04** Lamp life in the industry leading level