

## 燃气侧漏传感器 Gas Leakage Sensor

### 产品介绍 Product Description

该传感器用于检测甲烷，CO，液化石油气等气体泄漏。

The sensor is used to detect methane, CO, LPG and other gas leakage.

### 产品特征及优势 Feature and benefits

- ◆ 提供多种气体检测  
Provides a variety of gas detection
- ◆ 具备长期稳定性  
Long term stability
- ◆ 快速恢复响应时间  
Fast recovery response time
- ◆ 可自定义报警浓度  
Customizable alarm concentration
- ◆ 不受恶劣环境影响  
Unaffected by harsh environments
- ◆ 小巧坚固的包装  
Small robust package

### 产品作用 Application

- ◆ 车用燃气泄漏检测  
Vehicle gas leak detection
- ◆ 其他气体报警检测  
Other gas alarm detection



燃气泄漏传感器  
Gas Leakage Sensor

### 操作 Operation

#### ◆ 基本原理 Basic principle:

当传感器遇到检测气体时，燃气泄漏传感器的核心气体传感器，传感器电阻随燃气浓度而变化，随之产生电信号，供燃气报警器后级线路处理。经过电子线路处理变成浓度成比例变化的电压信号，由线性电路加以补偿，使信号线性化，经微机处理、逻辑分析，输出各种控制信号，即当燃气浓度达到报警设定值时，燃气泄漏传感器发出报警信号。

When the sensor encounters the detected gas, the core of the sensor is leak sensor, the resistance of the sensor changes with the concentration of gas, and then generates electrical signals for the after-stage circuit processing, After electronic circuit processing into the concentration of proportional changes of voltage signals, linear circuit compensation, so that the signal linearization, microcomputer processing, logic analysis, output a variety of control signals, that is, when the gas concentration reached the alarm set value, the gas leakage sensor sent the alarm signal.

#### ◆ 连接选项 Connection options:

根据客户选择定制连接系统  
Customized to customer choice of connection system

#### ◆ 包装选项 Packaging Options:

可提供定制包装以满足任何需要，请联系KESENS技术部了解详情。  
Custom packaging can be provided to meet any need, please contact KESENS Engineering for details.

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### 技术参数 Functional Characteristics

参数 Parameter	
<b>类型 Type</b>	
气体传感器 Gas sensor	可编程Programmable
输出 Output	电压值Voltage value
<b>电气特性 Electrical</b>	
电源电压 Supply Voltage	18~28 Vdc
输出电压 Output Voltage	高低电平High and low level
报警浓度 Alarm concentration	可设置 (参考: 14%±3% LEL MAX/8500 PPM MAX@VELOCITY≤0.8m/s )
<b>环境/机械 Environmental/Mechanical</b>	
工作温度 Working Temperature	-40° to +105°
安装扭矩 Mechanical Shock	4~10N.m
上电启动时间 Sine Vibration	≤180s
响应时间 Endurance Life	≤30s

可根据需要定制电气和环境规范, 详情请联系KESENS技术部。

Custom electrical and environmental specifications can be designed to meet any need, please contact KESENS Engineering for details.