

排气温度传感器 Exhaust Temperature Sensor

产品介绍 General Description

尾气温度传感器又称催化剂温度传感器，在催化转化器异常发热时，能够快速发出报警信号，以便保护催化转化器并防止高温引发故障

Exhaust gas temperature sensor, also known as catalyst temperature sensor, when the catalytic converter is abnormally heated, it can send out alarm signal quickly in order to protect catalytic converter and prevent high temperature from causing failure.



尾气温度传感器

Exhaust gas temperature sensor

产品特征及优势 Feature and benefits

- ◆ 耐高温性好 Good temperature resistance
- ◆ 防水性好 Good IP grade
- ◆ 耐腐蚀性强 Strong corrosion resistance
- ◆ 工作寿命长 Long working life

产品应用 Application

- ◆ 汽车排气管催化剂变换器的后面
Back of Catalyst

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.

技术参数 Functional Characteristics

技术名称 Technical name	技术参数 technical parameter
工作温度 working temperature	-40°C ~ +1000°C
工作电压 working voltage	5V±0.1%
上拉电阻 Pull-up resistor	Rp=1000Ω±0.1%
导线电阻 Conductor resistance	R1= (MI-cable+Cu-leads)
PT-200@0°C	R0=200Ω
精度 accuracy	±2.5% (-40 ~ +280°C) , ±0.9% (280 ~ 1000°C)
使用条件 Conditions of use	热介质 Thermal medium

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◆ 电阻 (Resistance) Ω vs 温度 (Temperature) $^{\circ}\text{C}$ Matrix

$R_s(\Omega)$	$R_{Pt}(\Omega)$	Temperature($^{\circ}\text{C}$)
150+R1	169	-40.0
200+R1	200	0.0
250+R1	250	65.8
300+R1	300	133.2
350+R1	350	202.0
400+R1	400	272.0
450+R1	450	344.5
500+R1	500	418.4
550+R1	550	494.3
600+R1	600	572.3
650+R1	650	652.6
700+R1	700	735.5
750+R1	750	821.1
800+R1	800	909.9