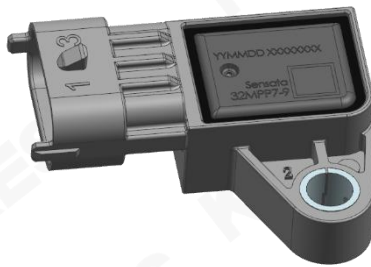


碳罐脱附压力传感器

Purging Line Pressure Sensor



产品介绍 Product Description

碳罐脱附压力传感器用于检测脱附路径的压力，并将其转换为电信号发送给ECU，ECU进行控制碳罐清洗阀适时开启和关闭。

The carbon canister purging line pressure sensor is used to detect the pressure of the desorption path. ECU use the sensor signal to control the valve to purge the fuel vapor in time.

产品特征及优势 Feature and Benefits

- MEMS传感技术
MEMS sensing technology
- 优良的EMC/ESD性能
Excellent EMC/ESD performance
- 压力范围、输出曲线以及外形尺寸定制化设计
Customized pressure range, output curve, and housing design
- 性能、外观和客户接口可以与主流供应商产品兼容
Performance, appearance and customer interface compatible with major tier suppliers' products
- 卓越的耐振性设计
Excellent vibration resistance design
- 高度模块化产品配置
Modular product configuration
- 出色的密封设计和防护设计
Excellent sealing and protective design

产品应用 Product Application

根据碳罐脱附压力传感器输出信号和脱附路径的压力，ECU可以得到信息，以适时开启阀，使得处于吸附饱和状态的活性炭罐能重新恢复吸附能力。

With information of purging line pressure sensor, ECU can obtain information to timely open the valve so that the activated carbon canister in the saturated adsorption state can regain the adsorption capacity.

操作 Operation

基本原理 Basic Principle

碳罐脱附压力传感器根据感应脱附路径的压力变化，再从感知器内部电阻的改变，转换成电压信号，供ECU可以得到信息，以适时开启阀。

The purging line pressure sensor converts the pressure of the desorption path into a voltage signal through the MEMS module inside the sensor. The sensor sends electrical signal to ECU so that ECU can get information to open the valve in time.

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.

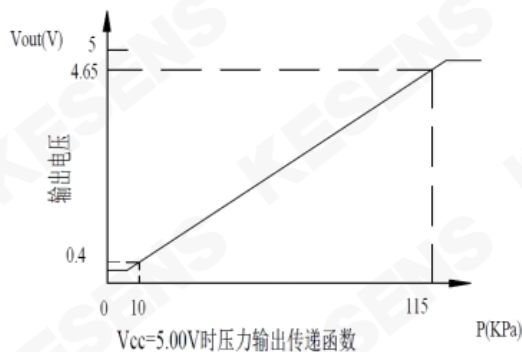
包装选项 Packaging Options

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 Technical Characteristics

参数PARAMETER	符号SYMBOL	最小值MIN.	额定值NOM.	最大值MAX.	单位UNITS
工作温度 TEMPERATURE RANGE	T	-40		130	°C
压力测量范围 PRESSURE RANGE	P	10		115	kPa
电源电压 SUPPLY VOLTAGE	Vcc	4.5	5	5.5	V
电源电流 SUPPLY CURRENT	Icc		8	10	Ma
输出负载电流 OUTPUT LOAD CURRENT	IL	-1		1	mA
负载电阻 LOAD RESISTANCE	Rpull-up	5	47	100	kΩ
	Rpull-down	5	47	100	kΩ
额定输出电压 NOMINAL OUTPUT	Vout	8		93	%Vcc
输出电压上限值 UPPER CLAMPING LEVEL	VCL-HI	4.77	4.8	4.83	V
输出电压下限值 LOWER CLAMPING LEVEL	VCL-LO	0.27	0.3	0.33	V
整体精度误差 OVERALL ACCURACY ERROR	Err			1.6	kPa
过压压力 OVER PRESSURE	Pmax			2*P	KPa
爆破压力 BURST PRESSURE	Pb			3*P	KPa



可根据客户需求定制产品，如有需求请联系我们。

Customized products available upon request. Contact us for details.

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