

公司介绍 COMPANY PROFILE

2009⁺ 3000⁺ 70⁺ 30⁺ 300⁺
 初始公司成立 自有厂房3000多平 员工70多人 各项软著专利30多项 合作客户300多家



维连风然传感科技是上海维连电子科技、上海风然自动化仪表厂旗下，集研发、生产、销售为一体的科技型企业。专注于新能源汽车、航空航天、传统工业、医疗等领域，提供温度控制、压力传感产品及解决方案，致力于发展成为行业领先的温度/压力传感器解决方案提供商。

公司专注于生产用于测量和控制温度、湿度、压力的各种铂电阻 (RTD)、热电偶、热敏电阻 (NTC) 温度传感器、温度变送器、压力传感器及其外延产品。已广泛应用于汽车加热器、水循环制冷、汽车空调、新能源汽车电机、BMS、充电桩/座/桩等产品。同时在航空航天、传统工业及医疗等各个领域场景有大量运用。



企业官网
Enterprise official website



企业公众号
Wechat public account

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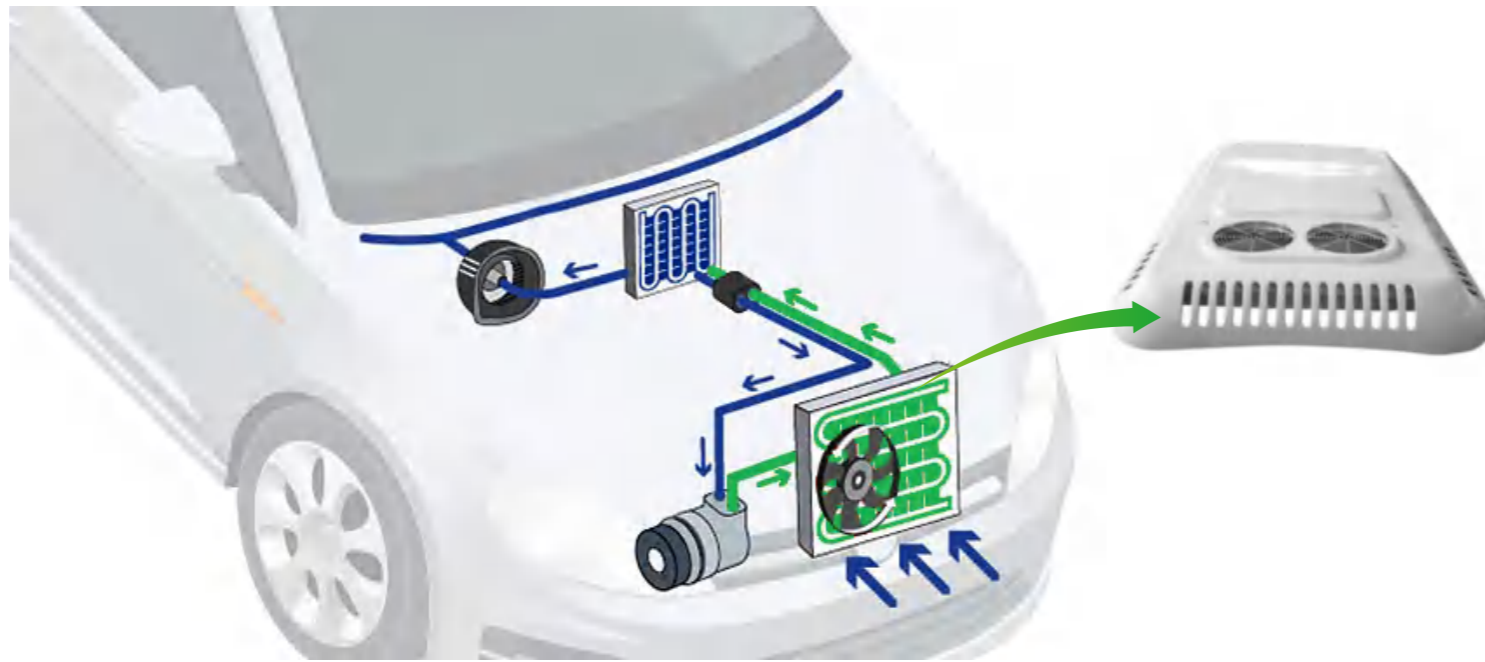
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新能源汽车行业
Electric vehicle industry applications

应用部位-汽车空调 Application area - car air conditioning



应用产品-空调温度传感器 Application Product - Car air conditioner temperature sensor



TR01	
应用范围 Applied range	汽车空调 Vehicle air conditioner
工作温度范围 Temperature range	-30~105°C
热敏电阻元件 Thermistor element	NTC-5K-3470
绝缘测试 Insulation test	100MΩ@500Vdc
电阻值 Resistance value	R25°C=5KΩ±1% 可根据客户要求定制 Can be customized according to customer requirements
B值 B value	B25°C/50°C=3470±1% 可根据客户要求定制 Can be customized according to customer requirements



其他行业应用
Other industry applications

发动机排温传感器 Engine exhaust temperature sensor

TS01/TS02

应用场景 Application scenarios
 柴油机微粒过滤器、废气再循环、催化转换器控制和检测发动机部件（阀门、气管）、组装在现场诊断系统、测量尾气再循环的温度
 Diesel particulate filter, exhaust gas recirculation, catalytic converter Control and test engine components (valves, gas pipes), assemble on-site diagnostic systems, measure the temperature of exhaust gas recirculation

工作温度范围 Temperature range
-40°C ~ +1000°C

电阻额定值 Resistance rating
0°C@200Ω

绝缘电阻 Insulation resistance
25°C时, ≥10MΩ@500Vdc

长期稳定性 Long-term stability
≤0.04%@1000h

抗震能力 Vibration resistance
10~5000Hz, 4G



储能温度传感器 Stored energy temperature sensor



TR01

特点 Characteristic
 产品具有体积小、耐电压高、热响应时间快、工作温度宽、测温线性好、工作寿命长等特点。
 Small size, high voltage resistance, fast thermal response time, wide operating temperature, good temperature measurement linearity and long working life.

工作温度范围 Temperature range
-40~200°C

绝缘电阻 Insulation resistance
500MΩ@500Vdc (常温下测试)
500MΩ@500Vdc (test at room temperature)

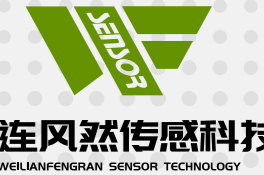
耐电压 Proof voltage
1KV@AC&60S, 50Hz, 漏电流小于1mA(常温下测试), 无击穿或飞弧
1KV@AC&60S, 50Hz, leakage current less than 1mA(test at room temperature), no breakdown or flare-up

电阻值 Resistance value
R25°C=10KΩ±1% 可根据客户要求定制
Can be customized according to customer requirements

B值 B value
B25°C/85°C=3982±1% 可根据客户要求定制
Can be customized according to customer requirements

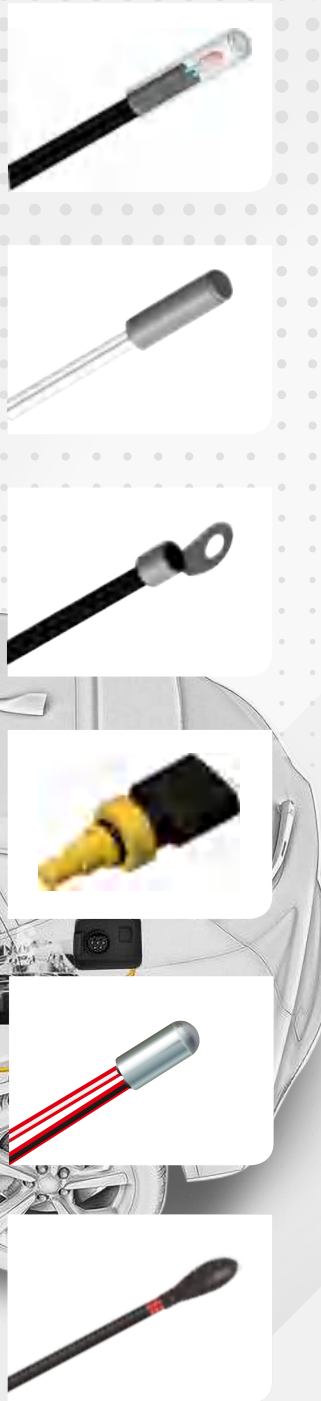
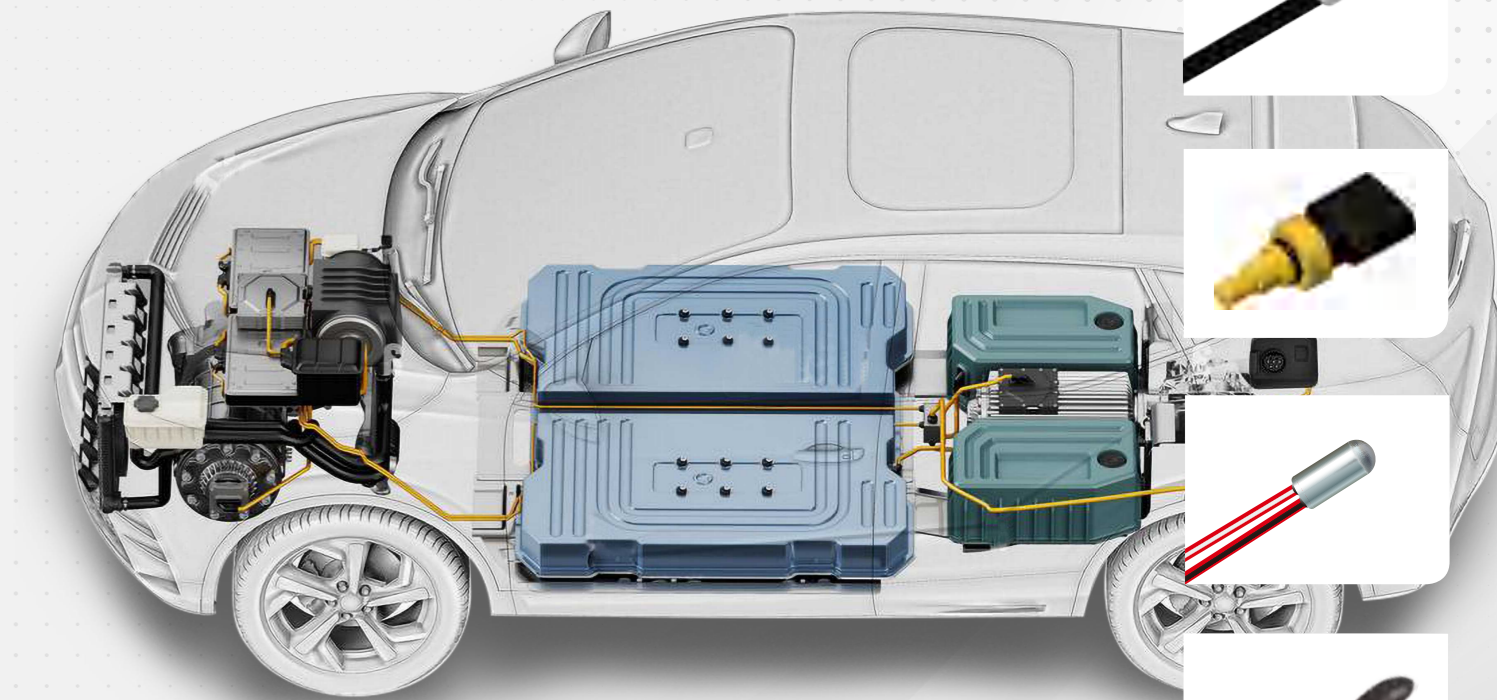


维连风然传感科技有限公司
Weilian Fengran Sensor Technology Co., LTD



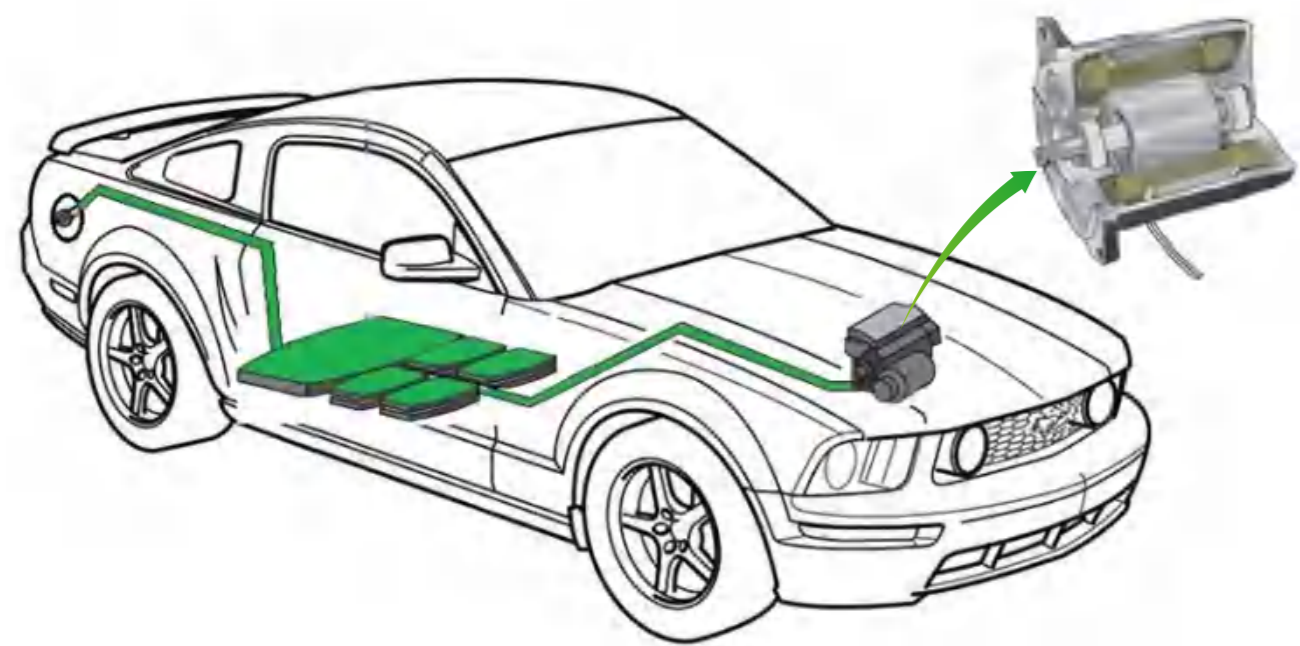
新能源汽车温度传感器 产品选型

New energy vehicle temperature sensor
Product Selection



SENSOR

应用部位-新能源汽车电机 Application area - New energy vehicle motor



应用产品-电机温度传感器 Application Products - electric vehicle motor temperature sensor



T29(PT100/PT1000)	
特点 Characteristic	产品测量精度高、反应时间短、安装方式灵活等特点。 The product has the characteristics of high measurement accuracy, fast reaction time and flexible installation.
工作温度范围 Temperature range	-50~200°C
芯片及精度 Chip and accuracy	PT100 Class A
耐电压 Proof voltage	2.5KV@AC&60S,50Hz,漏电流小于1mA(常温下测试),无击穿报警或者闪络 2.5KV@AC&60S,50Hz, leakage current less than 1mA(test at room temperature), No breakdown alarm or flare-up
绝缘电阻 Insulation resistance	100MQ@500Vdc (常温下测试) 100MQ@500Vdc (test at room temperature)
温度系数 Temperature coefficient	3850PPM/K



应用部位-新能源汽车充电桩/座 Application area - electric vehicle charging pile/seat sensor



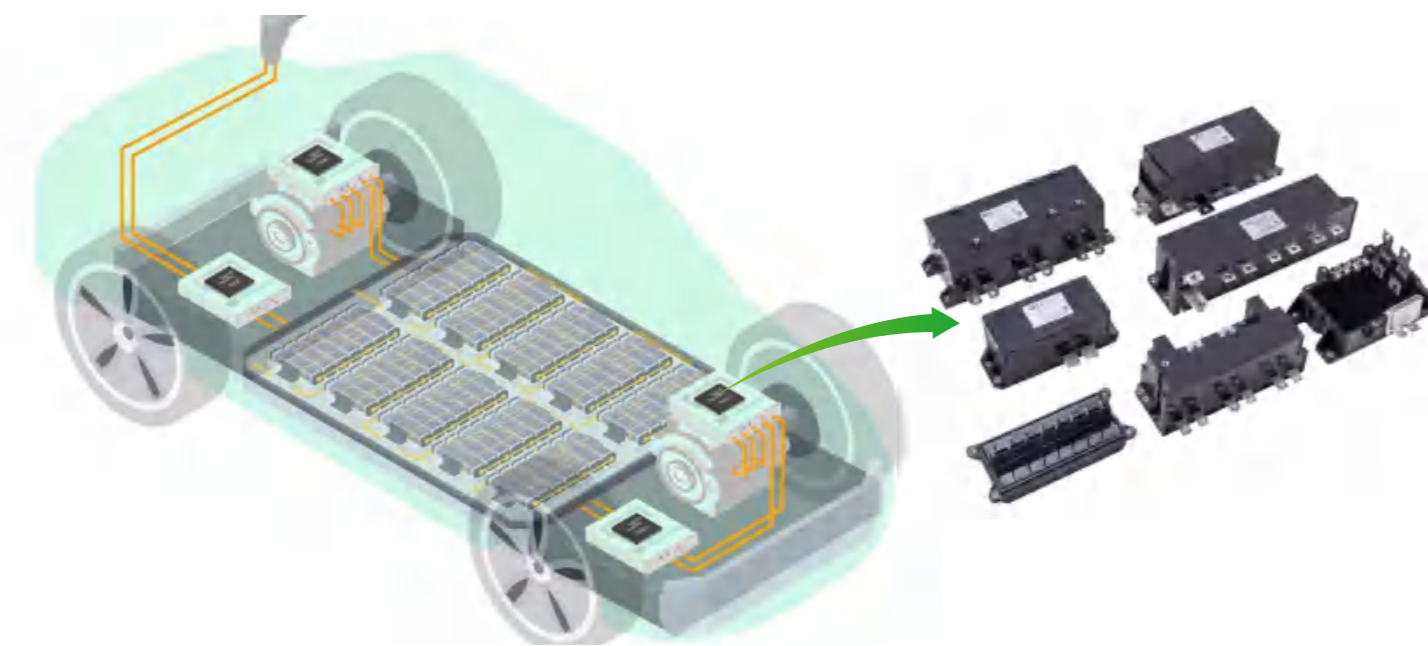
应用产品-汽车充电桩/座温度传感器 Application Product-charging pile/seat temperature sensor



TR29 NTC(四方头)	
特点 Characteristic	产品具有体积小、耐电压高、热响应时间短、工作温度宽、测温线性好、工作寿命长等特点。 Small size, high voltage resistance, fast thermal response time, wide operating temperature, good temperature measurement linearity and long working life.
工作温度范围 Temperature range	-40~200°C
热时间常数 Thermal time constant	≤20S(静止空气中测试/test in still air)
耐电压 Proof voltage	3KV@AC&60S,50Hz,漏电流小于1mA(常温下测试),无击穿或飞弧 3KV@AC&60S,50Hz, leakage current less than 1mA(test at room temperature), no breakdown or flare-up
电阻值 Resistance value	R25°C=100KΩ±1% 可根据客户要求定制 Can be customized according to customer requirements
B值 B value	B25°C/50°C=4390±1% 可根据客户要求定制 Can be customized according to customer requirements



应用部位-新能源汽车电容 Application area - electric vehicle capacitance



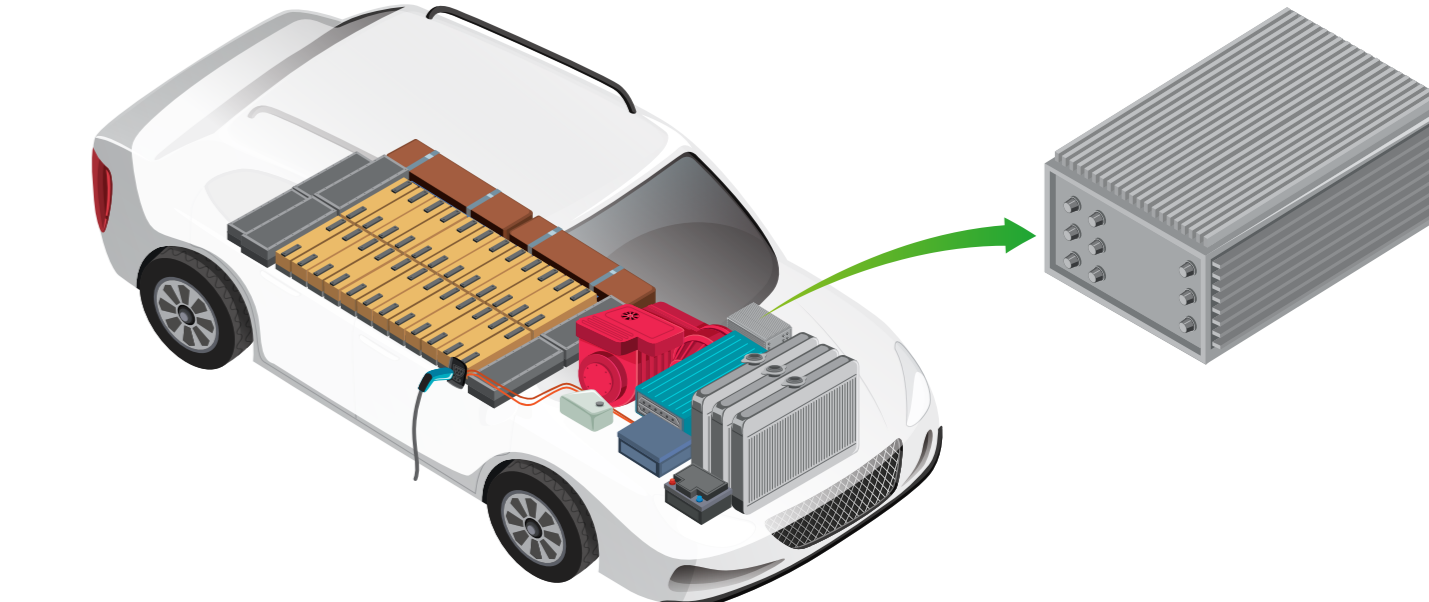
应用产品-新能源汽车电容温度传感器 Application product - capacitance temperature sensors



TR30	
特点 Characteristic	产品具有体积小、耐电压高、热响应时间短、工作温度宽、测温线性好、工作寿命长等特点。 Small size, high voltage resistance, fast thermal response time, wide operating temperature, good temperature measurement linearity and long working life.
工作温度范围 Temperature range	-40~125°C
热时间常数 Thermal time constant	≤12S((油中测试/Test in oil)
耐电压 Proof voltage	2KV@AC&60S,50Hz,漏电流小于1mA(常温下测试),无击穿或飞弧 2KV@AC&60S,50Hz, leakage current less than 1mA(test at room temperature), no breakdown or flare-up
电阻值 Resistance value	R85°C=1.207KΩ±1% 可根据客户要求定制 Can be customized according to customer requirements
B值 B value	R85°C=1.207KΩ±1% 可根据客户要求定制 Can be customized according to customer requirements



应用部位-新能源汽车变压器 Application area - electric vehicle transformer



应用产品-DC/DC转换器温度传感器 Application Products-DC/DC converter temperature sensor



TR07	
应用范围 Applied range	广泛应用于新能源充电系统、电池组及DC/DC车载变压器 Widely used in new energy charging systems, battery packs and DC converters
工作温度范围 Temperature range	-40~125°C
绝缘电阻 Insulation resistance	100MQ@500Vdc (常温下测试) 100MQ@500Vdc (test at room temperature)
耐电压 Proof voltage	2KV@AC&60S,50Hz,漏电流小于1mA(常温下测试) 2KV@AC&60S,50Hz, leakage current less than 1mA(test at room temperature)
电阻值 Resistance value	R25°C=10KΩ±1% 可根据客户要求定制 Can be customized according to customer requirements
B值 B value	B25°C/50°C=3950K±1% 可根据客户要求定制 Can be customized according to customer requirements

