

花园村简介

INTRODUCTION OF HUAYUAN VILLAGE

花园村地处浙江省中部，于1342年建村，已有近700年的历史。花园村经济发达、村民富裕，2024年，花园村实现营业收入786亿元，其中，花园集团实现营业收入490亿元，村民人均年收入达18.2万元。花园村是中国十大国际名村，在中国名村综合影响力300佳排名第一。花园村被誉为“浙江第一村”“中国农村现代化的榜样”，同时还被授予国家AAAA级旅游景区、中国红木家具第一村、中国十大最美乡村、中国十佳生态文明村等上百项省级以上荣誉称号。

Huayuan Village is located in the central part of Zhejiang Province. It was founded in 1342 and has a history of nearly 700 years. Huayuan Village has a developed economy and prosperous villagers. In 2024, Huayuan Village has achieved a business income of 78.6 billion yuan, of which Huayuan Group has achieved a business income of 49 billion yuan, and the per capita annual income of villagers has reached 182000 yuan. Huayuan Village is one of the top ten international famous villages in China, ranking first among the top 300 comprehensive influential villages in China. Huayuan Village is known as the "First Village in Zhejiang" and a model of rural modernization in China. It has also been awarded hundreds of provincial-level and above honorary titles, including national AAAA level tourist attraction, China's first village for rosewood furniture, China's top ten most beautiful villages, and China's top ten ecological civilization villages.

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花园金波科技股份有限公司

HUAYUAN JINBO TECHNOLOGY CO., LTD





花园金波科技股份有限公司

HUAYUAN JINBO TECHNOLOGY CO., LTD

企业简介

Company Profile

花园金波科技股份有限公司隶属于花园集团，旗下拥有全资子公司浙江花园鸿盾安防有限公司，是国家高新技术企业、中国电子行业协会理事单位、国家火炬计划重点项目，拥有50多项创新专利。

传感器是物联网、人工智能时代不可或缺的数据采集元件。公司专注于MEMS及传感器的自主研发与设计，经过多年的研发投入，公司在MEMS传感器设计、封装和测试等各生产环节都拥有了自主研发能力和核心技术积累，搭建起本土化的MEMS生产体系。公司已完成自主设计MEMS压力传感器、振动传感器、温度传感器及磁致伸缩位移传感器，具备持续创新能力。产品广泛应用在航空航天、工业化工、汽车电子、医疗器械、仪器仪表等行业，并广受好评。

Huayuan Jinbo Technology Co., Ltd. is affiliated with Huayuan Group and has wholly-owned subsidiaries Huayuan Jinbo Technology Co., Ltd. is affiliated with Huayuan Group and has wholly-owned subsidiaries and Zhejiang Huayuan Hongdun Security Co., Ltd. It is a national high-tech enterprise, a member unit of the China Electronics Industry Association, and a key project of the National Torch Plan. It has more than 50 innovative patents.

Sensors are indispensable data collection components in the era of the Internet of Things and artificial intelligence. Our company focuses on independent research and design of MEMS and sensors. After years of R&D investment, our company has independent R&D capabilities and core technology accumulation in various production processes such as MEMS sensor design, packaging, and testing. Our company also has established a localized MEMS production system. In addition, our company has independently designed MEMS pressure sensors, vibration sensors, temperature sensors, and magnetostrictive displacement sensors, demonstrating continuous innovation capabilities. The product is widely used in industries such as aerospace, industrial chemicals, automotive electronics, medical equipment, and instrumentation, and has received high praise.

花园集团简介

Introduction of Huanyuan Group

花园集团是国家级企业集团、浙江省雄鹰企业、浙江省民营经济总部领军企业、浙江省中小企业协会会长单位，目前拥有60多家全资和控股公司，名列2024中国民营企业500强第285位、中国制造业企业500强第278位、浙江省百强企业第61位，曾荣获“全国新型城镇化突出贡献企业”“中国民营企业社会责任优秀案例”“浙江民营企业社会责任100家领先企业”等诸多荣誉。在2024年，花园集团实现营业收入490亿元。目前，花园集团主要涉及生物与医药、新能源与新材料、红木家具与木制品、新建材与建筑、文化旅游与教育卫生等五大产业，拥有上市（含被收购）企业2家，国家高新技术企业9家，省级以上专精特新企业8家，国家级博士后科研工作站等省级以上创新平台16个。

Huanyuan Group is a national-level enterprise group, recognized as a Zhejiang Provincial Eagle Enterprise, a Leading Private Economy Headquarters Enterprise in Zhejiang, and the Chairman Unit of the Zhejiang Provincial Small and Medium Enterprises Association. Currently, Huayuan group owns over 60 wholly-owned and holding companies. It ranked 285th in the 2024 China Top 500 Private Enterprises List, 278th in the China Top 500 Manufacturing Enterprises List, and 61st in the Zhejiang Top 100 Enterprises List. The group has received numerous honors, including "National Outstanding Contributor to New Urbanization," "Outstanding Case of Social Responsibility among Chinese Private Enterprises," and "One of Zhejiang's Top 100 Leading Private Enterprises in Social Responsibility." In 2024, Huayuan Group achieved annual revenue of RMB 49 billion. Currently, Huayuan group primarily operates in five core industries: biotechnology and pharmaceuticals, new energy and new materials, rosewood furniture and wood products, new building materials and construction, and cultural tourism, education, and healthcare. It owns 2 listed companies (including acquired ones), 9 national high-tech enterprises, 8 provincial-level "Specialized, Sophisticated, Distinctive, and Innovative" enterprises, and 16 provincial or national-level innovation platforms, including a national postdoctoral research workstation.



求实创新
求强共富

耐强腐蚀型磁致伸缩液位计

Corrosion resistant magnetostrictive level gauge

产品描述

- ▶ 测量范围: 25-5000mm
- ▶ 电源电压: +24Vdc+20%/+12Vdc+20%
- ▶ 工作温度: -40~75℃
- ▶ 输出信号: 4-20mA/20-4mA
- ▶ 综合精度: +0.05%F.S.



product description

- ▶ Measurement range: 25-5000mm
- ▶ Power supply voltage: +24Vdc+20%/+12Vdc+20%
- ▶ Working temperature: -40~75℃
- ▶ Output signal: 4-20mA/20-4mA
- ▶ accuracy: +0.05%F.S.

磁致伸缩位移传感器

magnetostrictive displacement sensor

产品描述

- ▶ 测量范围: 25-5000mm
- ▶ 电源电压: +24Vdc+20%/+12Vdc+20%
- ▶ 工作温度: -40~75℃
- ▶ 输出信号: 4-20mA/20-4mA
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product description

- ▶ Measurement range: 25-5000mm
- ▶ Power supply voltage: +24Vdc+20%/+12Vdc+20%
- ▶ Working temperature: -40~75℃
- ▶ Output signal: 4-20mA/20-4mA
- ▶ accuracy: +0.05%F.S.

高精度磁致伸缩位移传感器

High precision magnetostrictive displacement sensor

产品描述

- ▶ 量程: 0~5000mm(可定制)
- ▶ 4-20mA输出
- ▶ 工作压力: 35兆帕
- ▶ 综合精度: < ±0.05% F.S.



product description

- ▶ Range: 0-5000mm (customizable)
- ▶ 4-20mA output
- ▶ Work pressure: 35MPa
- ▶ Accuracy: < ±0.05% F.S.

非接触式直线位移传感器

Non contact linear displacement sensor

产品描述

- ▶ 量程: 11-100mm
- ▶ 供电: 12-28VDC
- ▶ 输出: 4-20mA
- ▶ 线性度: +/-1%FS.0



product description

- ▶ Range: 11-100mm
- ▶ Power supply 12-28VDC
- ▶ Output 4-20mA
- ▶ Linearity: +/- 1%FS.0

直线位移传感器

Linear displacement sensor

产品描述

- ▶ 量程: 50(可定制)
- ▶ 环境温度: -30~80℃(可定制)
- ▶ 综合精度: 0.05毫米



product description

- ▶ Range: 50 (customizable)
- ▶ Environmental temperature: -30~80℃ (customizable)
- ▶ accuracy: 0.05 millimeters

压力变送器

Pressure transmitter

产品描述

- ▶ 硅压阻MEMS技术
- ▶ 量程: 0-10bar(可定制)
- ▶ 10-30V供电
- ▶ 4-20mA输出
- ▶ 综合精度: 0.5%



product description

- ▶ Silicon piezoresistive MEMS technology
- ▶ Range: 0-10bar (customizable)
- ▶ 10-30V power supply
- ▶ 4-20mA output
- ▶ Comprehensive accuracy of 0.5%

压力变送器

Pressure transmitter

产品描述

- ▶ 硅压阻MEMS技术
- ▶ 量程: 0-10bar(可定制)
- ▶ 24V供电
- ▶ 4-20mA输出
- ▶ 综合精度0.5%



product description

- ▶ Silicon piezoresistive MEMS technology
- ▶ Range: 0-10bar (customizable)
- ▶ 24V power supply
- ▶ 4-20mA output
- ▶ accuracy 0.5%

压力变送器(甩线输出)

Pressure transmitter (wire output)

产品描述

- ▶ 硅压阻MEMS技术
- ▶ 量程: 0-5MPa(可定制)
- ▶ 10-30V供电
- ▶ 4-20mA输出
- ▶ 综合精度: 0.5%



product description

- ▶ Silicon piezoresistive MEMS technology
- ▶ Range: 0-5MPa (customizable)
- ▶ 10-30V power supply
- ▶ 4-20mA output
- ▶ Comprehensive accuracy of 0.5%

表压型耐腐蚀压力芯体 Gauge pressure type corrosion-resistant pressure core

产品描述

- ▶ 硅压阻MEMS技术
- ▶ 量程: -100kPa~200kPa...1000kPa~2500kPa
- ▶ 隔离膜片结构
- ▶ VCR接头密封(9/16-18螺纹)或R 1/4螺纹密封
- ▶ 表压形式
- ▶ 低温漂
- ▶ 恒流供电



product description

- ▶ Silicon piezoresistive MEMS technology
- ▶ Range -100kPa~200kPa... 1000kPa... 2500kPa
- ▶ Isolation membrane structure
- ▶ VCR connector seal (9/16-18 thread) or R 1/4 thread seal
- ▶ Gauge pressure form
- ▶ Low temperature float
- ▶ Constant current power supply

机油压力变送器 Oil pressure transmitter

产品描述

- ▶ 高精度压力传感器
- ▶ -20~85℃: 精度±1.5%FS
- ▶ -20~-40℃, 85~125℃下: 精度从1.5%FS线性至2.5%FS
- ▶ 温度范围: -40℃~125℃
- ▶ 宽量程: 0.1~1.1 (3.5以内可定制) MPaA
- ▶ 绝缘要求: >10MΩ/500VDC
- ▶ 爆破压力: 3倍量程
- ▶ 输出方式: 比例输出10%~90%Vcc
- ▶ 安装方式: NPT 1/4 螺纹安装式(可定制)



product description

- ▶ High precision pressure sensor
- ▶ -20~85℃: accuracy ± 1.5% FS
- ▶ At -20~-40℃ and 85~125℃, the accuracy ranges linearly from 1.5% FS to 2.5% FS
- ▶ Temperature range: -40℃~125℃
- ▶ Wide range: 0.1~1.1 (customizable within 3.5) MPaA
- ▶ Insulation requirements: 10MΩ/500VDC
- ▶ Blasting pressure: 3 times the range
- ▶ Output mode: Proportional output of 10%~90% VCC
- ▶ Installation method: NPT 1/4 thread installation type (customizable)

机油压力变送器 Oil pressure transmitter

产品描述

- ▶ 压力检测(模拟量输出)
- ▶ 工作压力: 50~900kPaA
- ▶ 输出: 0.5~4.48V
- ▶ 精度: 全温区±2%FS
- ▶ 温度性能: R20=2.499KΩ R100=186.6Ω
- ▶ 爆破压力: 5Mpa 2s
- ▶ 工作温度: -40~125℃
- ▶ 安装方式: NPT 1/4 螺纹安装式



product description

- ▶ Pressure detection (analog output)
- ▶ Work pressure: 50~900kPaA
- ▶ Output: 0.5~4.48V
- ▶ Accuracy: ± 2% FS across the entire temperature range
- ▶ Temperature performance: R20=2.499KΩ R100=186.6Ω
- ▶ Blasting pressure: 5Mpa for 2 seconds
- ▶ Working temperature: -40~125℃
- ▶ Installation method: NPT 1/4 thread installation type

冷却液压力变送器 Coolant pressure transmitter

产品描述

- ▶ 高精度压力传感器
- ▶ 全寿命精度常温优于±1%FS
- ▶ 全寿命精度高低温优于±3%FS
- ▶ 温度范围: -40℃~125℃
- ▶ 宽量程 5Mpa 以内可定制
- ▶ 电气强度: AC 1500V(1min)/1800V(1s), 漏电流≤0.75mA
- ▶ 优异的过压防反能力, 过压28V, 反接-24V



product description

- ▶ High precision pressure sensor
- ▶ Full life accuracy better than ± 1% FS at room temperature
- ▶ Full life precision with high and low temperatures better than ± 3% FS
- ▶ Temperature range -40℃~125℃
- ▶ Customizable within a wide range of 5Mpa
- ▶ Electrical strength AC 1500V (1min)/1800V (1s), leakage current ≤ 0.75mA
- ▶ Excellent overvoltage anti reverse capability, overvoltage 28V, reverse connection -24V

压力传感器 Pressure sensor

产品描述

- ▶ 硅压阻MEMS技术
- ▶ 工作压力: 0~5bar
- ▶ 过载压力: 7bar
- ▶ 满量程输出: 60~140mv
- ▶ 零点输出: -30~30mV
- ▶ DIP封装



product description

- ▶ Silicon piezoresistive MEMS technology
- ▶ Working pressure 0~5 bar
- ▶ Overload pressure of 7 bar
- ▶ Full range output 60~140mv
- ▶ Zero point output -30~30mV
- ▶ DIP packaging

压力传感器 Pressure sensor

产品描述

- ▶ 硅压阻MEMS技术
- ▶ 工作压力: 0~500/1000/5000/7500Pa可定制
- ▶ 综合精度: ±0.25%FS
- ▶ DIP/SIL封装



product description

- ▶ Silicon piezoresistive MEMS technology
- ▶ Work pressure 0~500/1000/5000/7500Pa can be customized
- ▶ Comprehensive accuracy±0.25% FS
- ▶ DIP/SIL encapsulation

一次性血压计 Disposable blood pressure monitor

产品描述

- ▶ 硅压阻MEMS技术
- ▶ 量程: -50~300 mmHg
- ▶ 表压型
- ▶ 输出校准与补偿
- ▶ 顶部压力入口
- ▶ 与自动化设置系统兼容
- ▶ 医用绝缘凝胶屏障
- ▶ 符合AAMI要求



product description

- ▶ Silicon piezoresistive MEMS technology
- ▶ Range: -50~300 mmHg
- ▶ Gauge pressure type
- ▶ Output calibration and compensation
- ▶ Top pressure inlet
- ▶ Compatible with automated setup systems
- ▶ Medical insulating gel barrier
- ▶ Meets AAMI requirements

压力传感器 Pressure sensor

产品描述

- ▶ 硅压阻MEMS技术
- ▶ 测量范围: 0~10kPa/0~50kPa
- ▶ MEMS技术
- ▶ 表压型
- ▶ 标准模拟输出信号
- ▶ 气嘴带防脱结构
- ▶ 可定制各种压力量程及输出



product description

- ▶ Silicon piezoresistive MEMS technology
- ▶ Measurement range: 0~10kPa/0~50kPa
- ▶ MEMS technology
- ▶ Gauge pressure type
- ▶ Standard analog output signal
- ▶ Gas nozzle with anti detachment structure
- ▶ Can customize various pressure ranges and outputs

产品描述

- ▶ 硅压阻MEMS技术
- ▶ 测量范围: 15kPa~115kPa...700kPa
- ▶ 绝压型
- ▶ 气嘴带防脱结构
- ▶ 适用于无腐蚀性气体
- ▶ 标准电压输出或比例电压输出可选
- ▶ 宽温度补偿范围



product description

- ▶ Silicon piezoresistive MEMS technology
- ▶ Measurement range: 15kPa~115kPa...700kPa
- ▶ Absolute pressure type
- ▶ Gas nozzle with anti detachment structure
- ▶ Suitable for non corrosive gases
- ▶ Standard voltage output or proportional voltage output are optional
- ▶ Wide temperature compensation range

产品描述

- ▶ 硅压阻MEMS技术
- ▶ 测量范围: -100kPa...0~5kPa...200kPa
- ▶ SOP6封装, 表压型
- ▶ 矮气嘴, 尺寸小巧、高度集成
- ▶ 适用于无腐蚀性气体
- ▶ 3.3~5.5V供电
- ▶ 标准电压输出或比例电压输出可选



product description

- ▶ Silicon piezoresistive MEMS technology
- ▶ Measurement range -100kPa... 0~5kPa...200kPa
- ▶ SOP6 packaging, gauge pressure type
- ▶ Short air nozzle, compact size, highly integrated
- ▶ Suitable for non corrosive gases
- ▶ 3.3~5.5V power supply
- ▶ Standard voltage output or proportional voltage output are optional

差压压力传感器

Differential pressure sensor

产品描述

- ▶ 硅压阻MEMS技术
- ▶ 测量范围: -10kPa~10kPa
- ▶ 气嘴带防脱结构
- ▶ 差压型
- ▶ 宽温度补偿
- ▶ 标准电压输出或比例电压输出可选
- ▶ 适用于无腐蚀性气体
- ▶ 低压端最大压力: 60kPa



product description

- ▶ Silicon piezoresistive MEMS technology
- ▶ Measurement range -10kPa to 10kPa
- ▶ Gas nozzle with anti detachment structure
- ▶ Differential pressure type
- ▶ Wide temperature compensation
- ▶ Standard voltage output or proportional voltage output are optional
- ▶ Suitable for non corrosive gases
- ▶ The maximum pressure at the low-pressure end is 60kPa

差压压力传感器

Differential pressure sensor

产品描述

- ▶ 硅压阻MEMS技术
- ▶ 测量范围: -100kPa...0kPa~0.5kPa...1000kPa
- ▶ SOP8封装
- ▶ 差压型
- ▶ 气嘴带防脱结构
- ▶ 适用于无腐蚀性气体
- ▶ 3.3~5.5V供电
- ▶ 标准电压输出或比例电压输出可选
- ▶ 低压端最大承受压力: 500kPa



product description

- ▶ Silicon piezoresistive MEMS technology
- ▶ Measurement range -100kPa... 0kPa~0.5kPa...1000kPa
- ▶ SOP8 encapsulation
- ▶ Differential pressure type
- ▶ Gas nozzle with anti detachment structure
- ▶ Suitable for non corrosive gases
- ▶ 3.3~5.5V power supply
- ▶ Standard voltage output or proportional voltage output are optional
- ▶ The maximum pressure that the low-pressure end can withstand is 500kPa

高温动态压力传感器

High temperature dynamic pressure sensor

产品描述

- ▶ 压电技术
- ▶ 内阻: $\geq 1G\Omega$ @100VDC
- ▶ 传感器电容: $700 \pm 100pF$
- ▶ 电荷灵敏度: $12 \pm 3pc/psi$
- ▶ 谐振频率: $\geq 50kHz$
- ▶ 温度: -55~530℃
- ▶ 10-32 UNF-2A 同轴连接器



product description

- ▶ Piezoelectric technology
- ▶ Internal resistance $\geq 1G\Omega$ @100VDC
- ▶ Sensor capacitance $700 \pm 100pF$
- ▶ Charge sensitivity $12 \pm 3pc/psi$
- ▶ Resonant frequency $\geq 50kHz$
- ▶ Temperature -55~530℃
- ▶ 10-32 UNF-2A coaxial connector

座舱压力传感器

Cabin pressure sensor

产品描述

- ▶ 硅压阻MEMS技术
- ▶ 测量范围: 0~120kPa
- ▶ 3倍过载
- ▶ 综合精度: 0.1%
- ▶ 热满量程输出漂移: $\pm 0.03\%$
- ▶ 零位温度漂移: $\pm 0.03\%$



product description

- ▶ Silicon piezoresistive MEMS technology
- ▶ Measurement range 0~120kPa
- ▶ Triple overload
- ▶ Comprehensive accuracy of 0.1%
- ▶ Thermal full-scale output drift $\pm 0.03\%$
- ▶ Zero position temperature drift $\pm 0.03\%$

微型压力传感器

Micro pressure sensor

产品描述

- ▶ 硅压阻MEMS技术
- ▶ 极小型封装, 自带温度补偿
- ▶ 测量范围: 0~35kPa...7000kPa
- ▶ 综合精度: 0.1%
- ▶ 热满量程输出漂移: $\pm 0.02\%$
- ▶ 零位温度漂移: $\pm 0.03\%$



product description

- ▶ Silicon piezoresistive MEMS technology
- ▶ Extremely small package with built-in temperature compensation
- ▶ Measurement range: 0~35kPa...7000kPa
- ▶ Comprehensive accuracy of 0.1%
- ▶ Thermal full-scale output drift $\pm 0.02\%$
- ▶ Zero position temperature drift $\pm 0.03\%$

差压压力传感器

Differential pressure sensor

产品描述

- ▶ 硅压阻MEMS技术
- ▶ 测量范围: -100kPa...0kPa~7kPa...2000kPa
- ▶ TO8封装
- ▶ 综合精度: 0.3%
- ▶ 热满量程输出漂移: $\pm 0.03\%$
- ▶ 零位温度漂移: $\pm 0.03\%$



product description

- ▶ Silicon piezoresistive MEMS technology
- ▶ Measurement range -100kPa... 0kPa~7kPa...2000kPa
- ▶ TO8 packaging
- ▶ Comprehensive accuracy of 0.3%
- ▶ Thermal full-scale output drift $\pm 0.03\%$
- ▶ Zero temperature drift $\pm 0.03\%$

普频加速度传感器 Universal frequency accelerometer

产品描述

- ▶ 量程: $\pm 50g$
- ▶ 灵敏度: $100mV/g$
- ▶ 频率响应:
0.35~13000Hz ($\pm 3db$)
1~10000Hz ($\pm 10\%$)
2~5000Hz ($\pm 5\%$)
- ▶ 谐振频率: $\geq 28kHz$
- ▶ 使用温度: $-40\sim 120^{\circ}C$



product description

- ▶ Range $\pm 50g$
- ▶ Sensitivity $100mV/g$
- ▶ Frequency response: 0.35~13000Hz ($\pm 3db$)
1~10000Hz ($\pm 10\%$)
2~5000Hz ($\pm 5\%$)
- ▶ Resonant frequency $\geq 28kHz$
- ▶ Operating temperature $-40\sim 120^{\circ}C$

电荷型加速度传感器 Charge type accelerometer

产品描述

- ▶ 量程: $\pm 100g$
- ▶ 灵敏度: $10pC/g$
- ▶ 频率响应: NA.
- ▶ 使用温度: $-40\sim 80^{\circ}C$



product description

- ▶ Range $\pm 100g$
- ▶ Sensitivity $10pC/g$
- ▶ Frequency response NA
- ▶ Operating temperature $-40\sim 80^{\circ}C$

低频加速度传感器 Low frequency acceleration sensor

产品描述

- ▶ 量程: $\pm 10g$
- ▶ 灵敏度: $500mV/g$
- ▶ 频率响应:
0.1~10000Hz ($\pm 3db$)
0.2~5000Hz ($\pm 10\%$)
0.3~4000Hz ($\pm 5\%$)
- ▶ 谐振频率: $\geq 15kHz$
- ▶ 使用温度: $-40\sim 120^{\circ}C$



product description

- ▶ Range $\pm 10g$
- ▶ Sensitivity $500mV/g$
- ▶ Frequency response 0.1~10000Hz ($\pm 3db$)
0.2~5000Hz ($\pm 10\%$)
0.3~4000Hz ($\pm 5\%$)
- ▶ Resonant frequency $\geq 15kHz$
- ▶ Operating temperature $-40\sim 120^{\circ}C$

双轴加速度传感器 dual-axis accelerometer

产品描述

- ▶ 量程: $\pm 5g$
- ▶ 灵敏度: $1000mV/g$
- ▶ 频率响应:
0.1~6000Hz ($\pm 3db$)
0.3~4000Hz ($\pm 5\%$)
- ▶ 谐振频率: $\geq 15kHz$
- ▶ 使用温度: $-40\sim 120^{\circ}C$



product description

- ▶ Range $\pm 5g$
- ▶ Sensitivity $1000mV/g$
- ▶ Frequency response: 0.1~6000Hz ($\pm 3db$)
0.3~4000Hz ($\pm 5\%$)
- ▶ Resonant frequency $\geq 15kHz$
- ▶ Operating temperature $-40\sim 120^{\circ}C$

超高频加速度传感器 Ultra high frequency acceleration sensor

产品描述

- ▶ 量程: $\pm 500g$
- ▶ 灵敏度: $10mV/g$
- ▶ 频率响应:
1~20000Hz ($\pm 5\%$)
- ▶ 谐振频率: $\geq 50kHz$
- ▶ 使用温度: $-55\sim 125^{\circ}C$



product description

- ▶ Range $\pm 500g$
- ▶ Sensitivity $10mV/g$
- ▶ Frequency response 1~20000Hz ($\pm 5\%$)
- ▶ Resonant frequency $\geq 50kHz$
- ▶ Operating temperature $-55\sim 125^{\circ}C$

微型三轴加速度传感器 Micro three-axis accelerometer

产品描述

- ▶ 3轴模态测量
- ▶ 量程:
 $\pm 5000g/1000g/500g$
- ▶ 灵敏度: $1/5/10mV/g$ 可选
- ▶ 频率响应: 1~8000Hz ($\pm 5\%$)
0.5~10000Hz (10%)
- ▶ 使用温度: $-55\sim 125^{\circ}C$



product description

- ▶ 3-axis modal measurement
- ▶ Range $\pm 5000g/1000g/500g$
- ▶ Sensitivity $1/5/10mV/g$ optional
- ▶ Frequency response 1~8000Hz ($\pm 5\%$)
0.5~10000Hz (10%)
- ▶ Operating temperature $-55\sim 125^{\circ}C$

高温加速度传感器 High temperature acceleration sensor

产品描述

- ▶ 量程: $\pm 500g$
- ▶ 灵敏度: $50pC/g$
- ▶ 频率响应:
0.3~5000 ($\pm 1db$)
10~2500 ($\pm 5\%$)
- ▶ 谐振频率: $\geq 14kHz$
- ▶ 使用温度: $-55\sim 482^{\circ}C$



product description

- ▶ Range $\pm 500g$
- ▶ Sensitivity $50pC/g$
- ▶ Frequency response 0.3~5000 ($\pm 1db$)
10~2500 ($\pm 5\%$)
- ▶ Resonant frequency $\geq 14kHz$
- ▶ Operating temperature $-55\sim 482^{\circ}C$

高温加速度传感器 High temperature acceleration sensor

产品描述

- ▶ 量程: $\pm 250g$
- ▶ 灵敏度: $20pC/g$
- ▶ 频率响应:
1~12000 ($\pm 1db$)
1~9000 ($\pm 5\%$)
- ▶ 谐振频率: $\geq 36kHz$
- ▶ 使用温度: $-55\sim 260^{\circ}C$



product description

- ▶ Range $\pm 250g$
- ▶ Sensitivity $20pC/g$
- ▶ Frequency response 1~12000 ($\pm 1db$)
1~9000 ($\pm 5\%$)
- ▶ Resonant frequency $\geq 36kHz$
- ▶ Operating temperature $-55\sim 260^{\circ}C$

三轴加速度传感器

Three axis acceleration sensor

产品描述

- ▶ 三轴测量
- ▶ 量程: $\pm 50g$
- ▶ 灵敏度: $100mV/g$
- ▶ 频率响应:
X/Y $3\sim 1200Hz (\pm 5\%)$
Z $1\sim 2000Hz (\pm 5\%)$
- ▶ 谐振频率: $\geq 12kHz$
- ▶ 使用温度: $-55\sim 125^\circ C$



product description

- ▶ Triaxial measurement
- ▶ Range $\pm 50g$
- ▶ Sensitivity $100mV/g$
- ▶ Frequency response X/Y $3\sim 1200Hz (\pm 5\%)$
Z $1\sim 2000Hz (\pm 5\%)$
- ▶ Resonant frequency $\geq 12kHz$
- ▶ Operating temperature $-55\sim 125^\circ C$

单轴加速度传感器

Single axis acceleration sensor

产品描述

- ▶ 量程: $\pm 500g$
- ▶ 灵敏度: $10mV/g$ 可选
- ▶ 频率响应: $1\sim 10000Hz (\pm 5\%)$
- ▶ 使用温度: $-55\sim 125^\circ C$
- ▶ 谐振频率: $\geq 25kHz$



product description

- ▶ Range $\pm 500g$
- ▶ Sensitivity $10mV/g$ optional
- ▶ Frequency response: $1\sim 10000Hz (\pm 5\%)$
- ▶ Operating temperature $-55\sim 125^\circ C$
- ▶ Resonant frequency $\geq 25kHz$

压电加速度传感器

Piezoelectric accelerometer

产品描述

- ▶ 量程: $\pm 200g$
- ▶ 灵敏度: $25mV/g$
- ▶ 频率响应:
 $0.4\sim 10000 (\pm 5\%)$
- ▶ 谐振频率: $\geq 30kHz$
- ▶ 使用温度: $-55\sim 482^\circ C$



product description

- ▶ Range $\pm 200g$
- ▶ Sensitivity $25mV/g$
- ▶ Frequency response $0.4\sim 10000 (\pm 5\%)$
- ▶ Resonant frequency $\geq 30kHz$
- ▶ Operating temperature $-55\sim 482^\circ C$

电容式加速度传感器

capacitive accelerometer

产品描述

- ▶ 双轴测试
- ▶ 量程: $\pm 10/2/1g$
- ▶ 灵敏度:
 $200mV/1000mV/$
 $2000mV/g$
- ▶ 零位输出: $2.5 \pm 0.05V$
- ▶ 频率响应: $0\sim 500 (\pm 5\%)$
- ▶ 谐振频率: $\geq 2000Hz$
- ▶ 使用温度: $-40\sim 80^\circ C$



product description

- ▶ Dual axis testing
- ▶ Range $\pm 10/2/1g$
- ▶ Sensitivity $200mV/1000mV/2000mV/g$
- ▶ Zero position output $2.5 \pm 0.05V$
- ▶ Frequency response $0\sim 500 (\pm 5\%)$
- ▶ Resonant frequency $\geq 2000Hz$
- ▶ Operating temperature $-40\sim 80^\circ C$

矩阵解耦型六轴力传感器

six axis force sensor

产品描述

- ▶ 厚度薄至9mm
- ▶ 最大允许3倍过载
- ▶ IP60防护等级
- ▶ 非线性、迟滞小于1% F.S
- ▶ 串扰小于3% F.S.



product description

- ▶ Thickness as thin as 9mm
- ▶ Maximum allowable overload of 3 times
- ▶ IP60 protection level
- ▶ Nonlinear, hysteresis less than 1% F.S
- ▶ Interference is less than 3% F.S.

低量程六轴力传感器

Low range six axis force sensor

产品描述

- ▶ 低量程、高精度工业级、矩阵解耦型
- ▶ 六轴力传感器
- ▶ 10倍(或6倍)过载保护功能
- ▶ 直径大于75mm的型号
- ▶ 可以内置放大器或采集卡
- ▶ IP60防护等级



product description

- ▶ Low range, high-precision industrial grade, matrix decoupled six axis force sensor
- ▶ 10 times (or 6 times) overload protection function
- ▶ Models with a diameter greater than 75mm can have built-in amplifiers or acquisition cards
- ▶ IP60 protection level

结构解耦型大量程六轴力传感器

Structural decoupling type large range six axis force sensor

产品描述

- ▶ 外径从60mm至135mm
- ▶ 最大量程291600N
- ▶ 最大允许2倍过载
- ▶ IP60防护等级
- ▶ 非线性、迟滞小于1% F.S, 串扰小于5% F.S.



product description

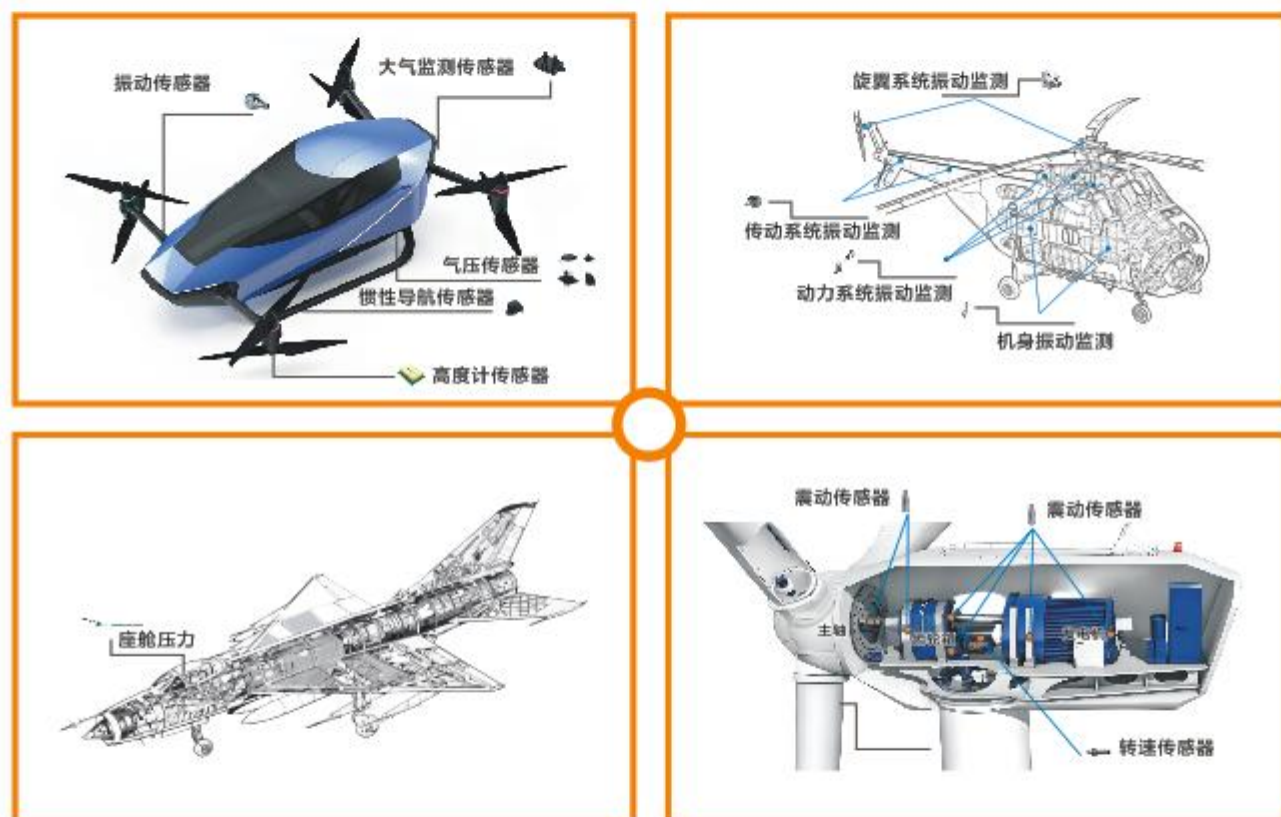
- ▶ Outer diameter ranging from 60mm to 135mm
- ▶ Maximum range 291600N
- ▶ Maximum allowable overload of 2 times
- ▶ IP60 protection level
- ▶ Nonlinear, hysteresis less than 1% F.S, crosstalk less than 5% F.S.

航空、工业能源领域应用

Applications in the fields of aviation, industry, and energy

航空发动机，燃气轮机，飞机座舱，风力发电机组，旋转机械机组，水泵机组，石油、燃气管路，压缩机等机组设备中应用的多种加速度传感器、压力传感器/变送器、转速传感器、温度传感器等。

Various acceleration sensors, pressure sensors/transmitters, speed sensors, temperature sensors, etc. are used in aircraft engines, gas turbines, aircraft cabins, wind turbines, rotating machinery units, water pump units, oil and gas pipelines, compressors and other equipment.



医疗、健康领域应用

Medical, Health Applications

动态血压监测，制氧机，呼吸机，注射泵，体外诊断设备（血液分析仪，POCT等），血压计，颅内/胸腔手术植入（FFR等）应用的压力传感器、氧传感器、流量传感器等。

Dynamic blood pressure monitoring, oxygen concentrators, ventilators, infusion pumps, in vitro diagnostic equipment (blood analyzers, POCTs, etc.), blood pressure monitors, pressure sensors, oxygen sensors, flow sensors, etc. for intracranial/thoracic surgery implantation (FFR, etc.) applications.

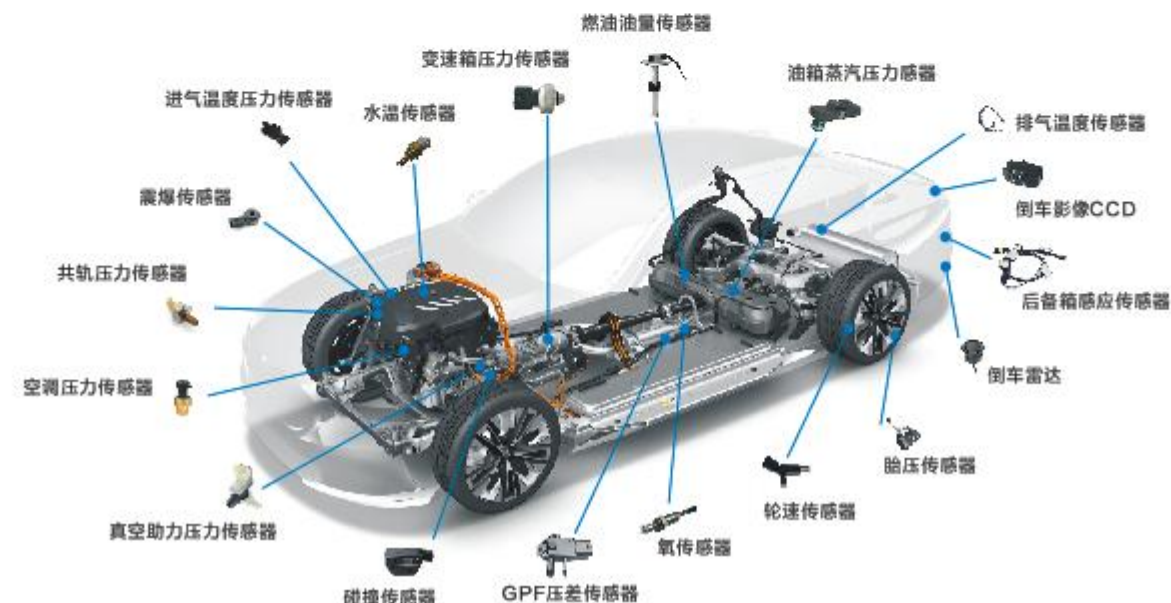


汽车电子领域应用

Application in the field of automotive electronics

TMAP传感器，燃油蒸发压力传感器、机油压力，柴油发动机，刹车助力，空调压力，电池包压力监测，蓝牙胎压监测，余度传感器等应用。

TMAP sensor, fuel evaporation pressure sensor, oil pressure, diesel engine, brake assist, air conditioning pressure, battery pack pressure monitoring, Bluetooth tire pressure monitoring, residual sensor and other applications.



人形机器人、工业机器人领域应用

Application in the field of humanoid robots and industrial robots

六维力传感器，压力传感器，温度传感器，气体监测传感器，三轴姿态传感器等。

Six dimensional force sensor, pressure sensor, temperature sensor, gas monitoring sensor, three-axis attitude sensor, etc.

