罗迪传感简介
Company Profile



深圳市罗迪传感科技有限公司成立于 2016 年 01 月，是一家专注于工业类应用的压力传感器产品研发、制造和销售的传感器科技公司，公司创始成员拥有 20 余年在国际一流压力传感器企业的研发、制造和供应链管理经验。

公司自成立以来，秉承“专注传感，感知未来”的企业理念和创始团队 25 年在压力传感器行业的产品经验，投入资金数千万元人民币，在高平台、高起点上研发和制造出具有国际先进质量水平的高精度、高稳定性的充油压力传感器，以及数字和模拟输出压力变送器，液位传感器，带数显压力温度智能传感器和带远传发射的智能压力传感器，产品取得多项压力传感器技术和制造工艺方面的核心专利。

产品稳定可靠，广泛应用于液压设备、高压共轨、储能液冷、数据液冷、风力发电、供水排水、船舶、工业发动机、注塑机、消防管道、石油化工、仪器仪表、轨道高铁等高端领域。

Shenzhen Rodee Sensors Co., Ltd. was founded in 2016 as a high-tech company with a focus on innovation, development, manufacturing, and sales of industrial pressure sensors. The company has invested millions of RMB and spent 10 years in the development of innovative series of excellent MEMS Oil-filling pressure sensors and transmitters, including the pressure sensors(cores), pressure transmitters, level sensors, digital display temperature and pressure transmitters, and the pressure transmitter with RTU. These products exhibit very high TEB accuracy and reliable while providing IP68 protection.

Shenzhen Rodee Sensors Co., Ltd. is committed to delivering cutting-edge solutions to its clients and will continue to strive for excellence with the philosophy of "Sensors Today, Sensing Tomorrow.".

对标国际、一流性能、自主专利、深圳制造、全球营销
International Standards | World-class Products | Patented Design | Made in China | Global Marketing & Sales

产品系列
Product Portfolios

未补偿压力芯体
Uncompensated Pressure Sensor



压力量程
Pressure range：0-7Kpa…40Mpa

高精度高性能充油压力芯体
Precision oil-filled MEMS Pressure Sensors

压力变送器(模拟输出)
Pressure Transmitter (Analog)



压力量程
Pressure range：0-10Kpa…40Mpa
输出 Output: 4-20mA, 0.5-4.5V, 0-5V, 0-10V,

PM160/160E/400 MEMS 系列
带诊断功能智能压力变送器
PM160/160E/400 Pressure Transmitter with Diagnostics

带数显压力和温度传感器
Pressure Transmitter with Monitor



防护 Protection: IP68
输出 Output:
4-20mA, 0.5-4.5V, Modbus 485

WA30 高精度智能压力变送器
专为水行业和户外使用设计
Pressure Sensors with Diagnostics, Designed for Outdoor Applications

液位计压力传感器
Liquid Level Pressure Sensor



液位量程
Level range： 0- 1…150 mH2O
输出 Output: 4-20mA, 0.5-4.5V,0-10V

液位压力传感器
Liquid Level Pressure Sensor with Diagnostics

压力变送器(数字输出)
Pressure Transmitter (Digital)



压力量程
Pressure range：0-35Kpa…35Mpa
输出 Output: I²C, SPI

数字型压力和温度双输出
带诊断功能智能传感器
Digital Pressure and Temp. Dual Output Sensor

无线压力和温度传感器
Pressure &Temp. Sensor with RTU



防护 Protection: IP68
网络 Networks: 4G, NB-ioT
电池供电 Battery Inside

带无线传输高精度
智能压力和温度传感器
Pressure & Temperature Sensors with RTU

详细产品资料下载链接：
Datasheet download at: https://www.szrodee.com/zcyxz

让数据说话
Data Speaking

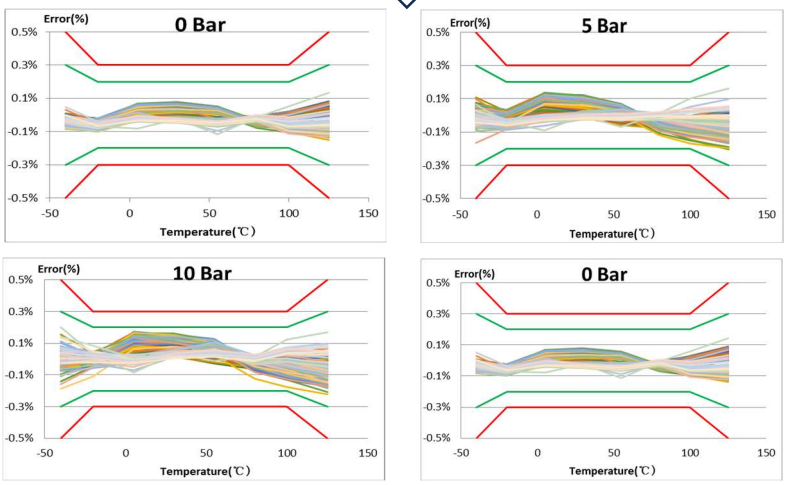
一流的产品精度
Excellent TEB

高精度智能压力变送器
Pressure Transmitter
(High Performance)



采用 MEMS
技术带诊断功能高精度
智能压力变送器
Pressure Transmitter, High Performance with Diagnostics

全温区(-40°C~125°C)**总精度**
Excellent **Total Error Band**
–使用罗迪传感专利算法校准实现
-Achieved by using proprietary algorithm of Rodee Sensors



此变送器采用 RS PC160 系列压力芯体制造
RS PC160 pressure sensor inside.

一流的压力芯体
World-class
Pressure Sensors

未补偿压力芯体
Uncompensated
Pressure Sensor

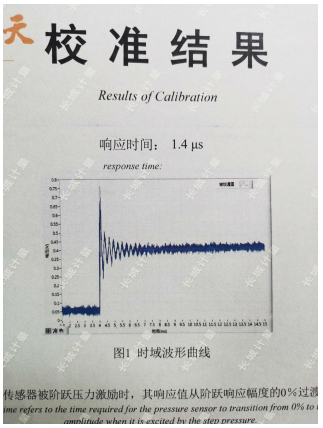


PC160/350 系列高精度高性能充油压力芯体
PC160/350 High Performance MEMS Pressure Sensors

高质量的芯体才有可能做出高质量的压力变送器
With this sensor, make high performance pressure transmitters possible.

Static characterizations Pressure Range:
室温静态特性： 3 Mpa Gauge

No. 样品#	Offset 零点输出	Span 满量程输出	Linearity (% of FS) 线性度	Hysteresis (% of FS) 压力迟滞	Repeat (%of FS) 重复性	Accuracy 精确度
	V	V				
1	-0.0032	0.1092	0.009%	0.003%	0.008%	0.017%
2	-0.0025	0.1076	0.008%	0.002%	0.008%	0.017%
3	-0.0049	0.1081	0.010%	0.003%	0.008%	0.019%
4	-0.0037	0.1096	0.011%	0.002%	0.008%	0.019%
5	-0.0003	0.1089	0.010%	0.003%	0.008%	0.018%
6	-0.0004	0.1080	0.007%	0.002%	0.007%	0.015%
7	-0.0031	0.1097	0.011%	0.002%	0.007%	0.019%
8	-0.0045	0.1097	0.011%	0.002%	0.008%	0.018%
9	-0.0039	0.1085	0.009%	0.002%	0.006%	0.016%
10	-0.0046	0.1093	0.010%	0.002%	0.008%	0.018%
11	-0.0003	0.1089	0.010%	0.003%	0.007%	0.018%
12	-0.0012	0.1085	0.009%	0.002%	0.006%	0.015%
13	-0.0046	0.1090	0.010%	0.002%	0.007%	0.017%
14	-0.0068	0.1084	0.009%	0.002%	0.006%	0.016%
15	-0.0046	0.1081	0.009%	0.001%	0.007%	0.016%
16	-0.0013	0.1081	0.009%	0.002%	0.006%	0.015%
17	-0.0012	0.1080	0.009%	0.001%	0.006%	0.015%
18	-0.0017	0.1075	0.009%	0.002%	0.006%	0.015%
19	-0.0028	0.1088	0.011%	0.003%	0.012%	0.023%
20	-0.0038	0.1103	0.011%	0.002%	0.006%	0.017%
Max	-0.0003	0.1103	0.01%	0.00%	0.01%	0.02%
Min	-0.0068	0.1075	0.01%	0.00%	0.01%	0.01%
Mean	-0.0030	0.1087	0.01%	0.00%	0.01%	0.02%
Stdev	0.0018	0.0008	0.00%	0.001%	0.00%	0.002%



1.4 us 的响应速度
Response time: 1.4us

RS PC160 中压系列高精度高性能充油压力芯体
RS PC160 High Performance MEMS Pressure Sensors



RS PC160 系列 MEMS 芯体，精选全球高质量压阻芯片，采用国际先进封装工艺和自主专利结构设计充油封装，产品整体性能质量达到国际先进水平。

芯体未做温度补偿，有 2 种状态可供选择：

MEMS 充油芯体；
MEMS 充油芯体 - 带压力连接接头

RS PC160
It is a micro machined piezoresistive silicon pressure sensor with a high performance.

It is designed for OEM applications, and sensors uncompensated.

A variety of threaded process fittings are available. Fittings include standards like G1/4 and 1/4 NPT as well as customized process fittings.

应用场景 Applications

流体控制 Hydraulic Controls
压力变送器 Pressure Transmitters
制冷设备 Refrigeration
工序控制 Process Control
机器人 Robotics
空压机 Compressors

产品特点 Product Highlights

- ✓ 全焊接、无密封圈设计
- ✓ 高过载，全系列≥3x 过载设计
- ✓ 2000+万次疲劳测试寿命
- ✓ 小尺寸设计，500G 机械冲击
- ✓ 0-100mV 输出
- ✓ 高精度高可靠性，整体性能等同或者超过同类进口品牌产品

- ✓ Weldable Design
- ✓ ⩾3x FS Pressure Overload
- ✓ 20+ millions fatigue life
- ✓ Compact design, 500G Mechanical Shock,
- ✓ 0-100mV output
- ✓ High precision & Reliable

标准压力量程 Pressure Range

表压或绝压可选 Gauge(Relative)/Absolute
0 – 5 bar
0 – 16 bar
0 – 30 bar
0 – 40 bar

其它或更小压力量程可选（小至 0-7Kpa），请与我们联系。
Other or smaller Pressure Ranges (low to 0-7kpa) are available upon request

绝压 Absolute
0 – 160 bar

扫描下载产品规格书
Scan code for datasheet

RS PC350 高压系列高精度高性能充油压力芯体

RS PC350 High Performance MEMS High Pressure Sensors





RS PC350 高压系列 MEMS 芯体，精选全球高质量压阻芯片，采用国际先进封装工艺和自主专利结构设计充油封装，产品整体性能质量达到国际先进水平。

芯体未做温度补偿，有 2 种状态可供选择：

MEMS 充油芯体；
MEMS 充油芯体 - 带压力连接接头

RS PC350 High Pressure Sensor, it is a micro machined piezoresistive silicon pressure sensor with a high performance.

It is designed for OEM applications, and sensor uncompensated.

A variety of threaded process fittings are available. Fittings include standards like G1/4 and 1/4 NPT as well as customized process fittings.

应用场景 Applications

流体控制 Hydraulic Controls
压力变送器 Pressure Transmitters
高压泵 High Pressure Pumps
工序控制 Process Control
机器人 Robotics

产品特点 Product Highlights

- ✓ 可焊接(无 O 圈)设计
- ✓ 抗高过载，全系列≥3x 过载设计
- ✓ 2000+万次疲劳测试寿命
- ✓ 小尺寸设计，500G 机械冲击
- ✓ 一体式压力缓冲器设计
- ✓ 高精度和高可靠性
- ✓ Weldable & Non-O Ring Design
- ✓ ≥3x FS Pressure Overload
- ✓ Compact design, 500G Mechanical Shock,
- ✓ Compact design, 500G Mechanical Shock,
- ✓ Integrated Pressure Snubber
- ✓ High Precision & Reliable

标准压力量程 Pressure Range

绝压可选
Absolute
0 – 100 bar
0 – 160 bar
0 – 250 bar
0 – 350 bar

扫描下载产品规格书
Scan code for datasheet

RS PMSC350 系列 带数字标定 MEMS 充油压力传感器
RS PMSC350, Calibrated Pressure Sensors with Diagnostics



RS PMSC350 系列是一款已经做好温度补偿和压力校准的传感器，产品采用 MEMS 技术的充油芯体和数字化压力标定，具有 EMC 防护和故障诊断功能。产品采用模块化设计，为客户节省研发和标定费用，直接大幅提升客户的产品技术和质量水平。它是一款接上线和外壳就可以制作成高精度压力变送器的芯体。

RS PMSC350
is a sensor that has already undergone temperature compensation and pressure calibration. The product adopts MEMS technology with an oil filled core and digital pressure calibration, and has EMC protection and fault diagnosis functions. The product adopts a modular design, saving customers research and calibration costs, and directly and significantly improving their product technology and quality level.

功能和应用 Features & Applications

PMSC350 系列充油压力传感器采用数字运算补偿标定且具有故障诊断功能,标定后精度：

在-25°C~85°C 温度区间内产品总精度 TEB≤±0.50%，典型 TEB≤±0.25%

输出模式：0.5-2.5V,0.5-4.5V,比例电压和数字 I^2C 输出；其它电压输出和电流输出模式可以定制；

产品具有符合 CE 标准的 ESD 和 EMC 防护功能，能够满足大多数的应用环境要求。

产品压力介质接触部分为 SUS316L 不锈钢材料；产品有标准φ19mm 的通用设计，以及全焊接去密封圈设计。有内置脉冲压力缓冲器设计可选。

PMSC350 pressure sensors are full digital compensated and pressure calibrated, and with diagnostics:

TEB ≤±0.50% between -25°C ~85 °C.

Output: 0.5-2.5V,0.5-4.5V Ratio Voltage and I^2C; Other outputs, i.e. Abs. voltages and 4-20mA current are available upon request;

Products are designed according to CE standard about EMC.

Material contacts with Media are SUS316L S. steel, both standard φ19mm shell and full welded designs are available. Integrated Pressure Snubber design is available upon request.

产品特点 Product Highlights

- ✓ 芯体已做压力标定,模拟数字双输出
- ✓ 采用数字补偿校准技术，具有故障诊断功能
- ✓ 高精度，-25°C~85°C 温区内 TEB 达到≤±0.25%FS（典型值）
- ✓ 产品小型化设计,产品最大尺寸小至 19A/F
- ✓ 高过载设计
- ✓ EMC 防护

- ✓ Pressure Calibrated, analog and digital dual output
- ✓ Digital compensated and diagnostics function
- ✓ High performance, TEB≤±0.25%FS(typ.) within temperature range -25°C~85°C
- ✓ Compact design, outer size down to 19 A/F
- ✓ High Pressure Overload designed
- ✓ EMC protection

标准压力量程 Pressure Range

表压、密封表压或绝压可选
Gauge(Relative or Sealed)/Absolute

0 – 35 Kpa	0 – 100 Kpa
0 – 2 bar	0 – 5 bar
0 – 10 bar	0 – 20 bar
0 – 30 bar	0 – 40 bar

密封表压或绝压
Gauge(Sealed)/Absolute

0 – 60 bar	0 – 100 bar
0 – 160 bar	0 – 250 bar
0 – 350 bar	0 – 400 bar

扫描下载产品规格书
Scan code for datasheet

RS PM160 系列 采用 MEMS 技术带诊断功能高精度智能压力变送器
RS PM160 Pressure Transmitter, High Performance with Diagnostics



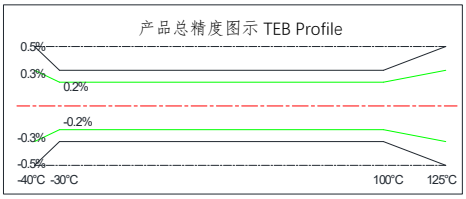
RS PM160 系列是一款带智能诊断的高精度、高性能传感器，产品采用模块化、小型化设计，精选进口 MEMS 压力芯片，利用自主研发具有国际领先水平的封装工艺和专利结构设计制造。

RS PM160

Pressure transmitter with diagnostics and compact designed, use silicon piezoresistive technology, products exhibit very high TEB accuracy and long-term stability.

功能和应用 Features & Applications

PM160 系列产品采用数字运算补偿标定，具有非常宽温区 TEB 精度。
PM160 pressure transmitter are digital compensated with patented algorithm, exhibit a very high TEB accuracy:



输出模式：0.5-4.5V 比例电压,1-5V, 0-10V, 1-10V 绝对电压，4-20mA 电流等；

产品压力介质接触部分采用 SUS316L 不锈钢密封焊接设计,有内置脉冲压力缓冲器设计可选，保证压力传感器的可靠性和耐用性，该系列产品具有 IP67 或 IP68 等级防护，以及极强的 EMI 防护能力，能满足大多数应用环境。

Output: 0.5-4.5V Ratio Voltage; 1-5V, 0-10V, 1-10V Abs. voltage, 4-20mA current, etc.

Material contacts with Media are SUS316L S. steel, and welded together. Pressure Snubber is available for enhancing the product reliability and durability; IP67 or IP68 and high degree of EMI protection, products can be used in most applications.

产品特点 Product Highlights

- ✓ 采用数字补偿校准技术 高精度&高可靠性
- ✓ IP68 防护等级
- ✓ 产品小型化设计，产品最大尺寸小至 19A/F
- ✓ 具有故障诊断功能
- ✓ 高过载，全系列≥3x 过载设计
- ✓ 产品通过 CE 认证

- ✓ Digital compensated, High Precision & Reliable
- ✓ IP68 Enclosure[1];
- ✓ Compact designed, size down to 19 A/F
- ✓ Diagnostics Functions;
- ✓ ≥3x FS Pressure Overload;
- ✓ CE certified.

标准压力量程 Pressure Range

表压、密封表压或绝压可选
Gauge(Relative or Sealed)/Absolute

0 – 10 Kpa	0 – 35 Kpa
0 – 1 bar	0 – 5 bar
0 – 10 bar	0 – 20 bar
0 – 30 bar	0 – 40 bar

密封表压或绝压
Gauge(Sealed)/Absolute
0 – 60 bar
0 – 100 bar
0 – 160 bar

扫描下载产品规格书
Scan code for datasheet

RS PM160-E 系列 采用 MEMS 技术带诊断功能通用型智能压力变送器
RS PM160-E Pressure Transmitter with Diagnostics for General Purpose Use



RS PM160-E 系列是一款带智能诊断的通用型高稳定性传感器，产品采用模块化、小型化设计，精选进口 MEMS 压力芯片，采用国际领先水平的封装工艺和自主专利结构设计封装制造。

测量压力范围 0-0.1bar…160bar，有相对表压、密封表压和绝压可选。

RS PM160-E

Pressure transmitter with diagnostics and compact designed, use silicon piezoresistive technology, products designed for industry general purpose use.

Pressure Range, 0-0.1bar … 160 bar, Gauge (relative), Gauge (sealed) and Absolute available.

功能和应用 Features & Applications

PM160-E 系列产品采用数字运算补偿标定：

在-20°C~85°C 温度区间内产品总精度 TEB≤±0.25%（典型值）。

输出模式：0.5-4.5V 比例电压,1-5V, 0-10V, 1-10V 绝对电压，4-20mA 电流等；

产品具有故障诊断和现场零点调节功能[1)]，经过严苛测试反复验证，满足大多数的行业标准要求，产品具有长期可靠的稳定性。

产品压力介质接触部分采用 SUS316L 不锈钢焊接密封设计,有内置脉冲压力缓冲器设计可选，保证压力传感器的可靠性和耐用性，该系列产品具有 IP67 或 IP68 等级防护，以及极强的 EMI 防护能力，能满足大多数应用环境。

PM160-E pressure transmitter is digital compensated:

TEB ≤±0.25% between -20°C ~85 °C(Typ.).

Output: 0.5-4.5V Ratio Voltage; 1-5V, 0-10V, 1-10V Abs. voltage, 4-20mA current, etc.

Products are with diagnostics and Zero Offset Programable[1)], also with the long-term stabilities.

Material contacts with Media are SUS316L S. steel, and welded together. Pressure Snubber is available for enhancing the product reliability and durability; IP67 or IP68 and high degree of EMI protection, products can be used in most applications.

产品特点 Product Highlights

- ✓ -20°C~85°C 温区内 TEB 达到≤±0.25%FS（典型值）
- ✓ IP68 防护等级
- ✓ 产品小型化设计，产品最大尺寸小至 19A/F
- ✓ 具有故障诊断功能;
- ✓ 高过载，全系列≥3x 过载设计
- ✓ 产品通过 CE 认证

- ✓ Typical TEB≤±0.25%FS within temperature range -20°C~85°C
- ✓ IP68 Enclosure
- ✓ Compact designed, outer size down to 19 A/F
- ✓ Diagnostics Functions
- ✓ ≥3x FS Pressure Overload
- ✓ CE certified

标准压力量程 Pressure Range

表压、密封表压或绝压可选
Gauge(Relative or Sealed)/Absolute

0 – 10 Kpa	0 – 35 Kpa
0 – 1 bar	0 – 5 bar
0 – 10 bar	0 – 20 bar
0 – 30 bar	0 – 40 bar

密封表压或绝压
Gauge(Sealed)/Absolute

0 – 60 bar
0 – 100 bar
0 – 160 bar

扫描下载产品规格书
Scan code for datasheet

RS PM400-E 系列 采用 MEMS 技术带诊断功能通用型智能压力变送器
RS PM400-E Pressure Transmitter with Diagnostics for General Purpose Use



RS PM400-E

系列是一款带智能诊断的通用型高稳定性传感器，产品采用模块化、小型化设计，精选进口 MEMS 压力芯片，采用国际领先水平的封装工艺和自主专利结构设计封装制造。

绝对电压输出款具有极强的 EMI 防护，专为抗干扰场景设计。

RS PM400-E

Pressure transmitter with diagnostics and compact designed, use silicon piezoresistive technology, products designed for industry general purpose use.

High degree of EMI protection ae special designed for Voltage output models.

功能和应用 Features & Applications

PM400-E 系列产品采用数字运算补偿标定：

在-20°C~85°C 温度区间内产品总精度 TEB≤±0.25%（典型值）。

输出模式：0.5-4.5V 比例电压,1-5V, 0-10V, 1-10V 绝对电压，4-20mA 电流等；

产品具有故障诊断和现场零点调节功能[1]，经过严苛测试反复验证，满足大多数的行业标准要求，产品具有长期可靠的稳定性。

产品压力介质接触部分采用 SUS316L 不锈钢密封焊接设计,有内置脉冲压力缓冲器设计可选，保证压力传感器的可靠性和耐用性，该系列产品具有 IP67 或 IP68 等级防护，能满足大多数应用环境。

PM400-E pressure transmitter is digital compensated:

TEB ≤±0.25% between -20°C ~85 °C(Typ.).

Output: 0.5-4.5V Ratio Voltage; 1-5V, 0-10V, 1-10V Abs. voltage, 4-20mA current, etc.

Products are with diagnostics and Zero Offset Programable[1], also with the long-term stabilities.

Material contacts with Media are SUS316L S. steel, and welded together. Pressure Snubber is available for enhancing the product reliability and durability; IP67 or IP68 protection, products can be used in most applications.

产品特点 Product Highlights

- ✓ -20°C~85°C 温区内 TEB 达到≤±0.25%FS（典型值）
- ✓ IP68 防护等级
- ✓ 产品小型化设计，产品最大尺寸小至 22A/F
- ✓ 具有故障诊断功能
- ✓ 标配一体式压力缓冲器
- ✓ 产品通过 CE 认证

- ✓ Digital compensated, typical TEB≤±0.25%FS within temperature range -20°C~85°C
- ✓ IP68 Enclosure
- ✓ Compact designed, outer size down to 22 A/F
- ✓ Diagnostics Functions
- ✓ Integrated Pressure Snubber
- ✓ CE certified

标准压力量程 Pressure Range

密封表压或绝压可选
Gauge(Sealed)/Absolute

0 – 100 bar	0 – 160 bar
0 – 250 bar	0 – 400 bar

扫描下载产品规格书
Scan code for datasheet

RS PM160-DV 数字输出型压力和温度双输出智能传感器
RS PM160-DV Dual Digital Output Pressure and Temp. Sensor



RS PM160-DV 系列是一款高精度带智能诊断的数字(I^2C,SPI)型压力和温度双输出高稳定性智能传感器，产品采用模块化、小型化设计及专利结构设计制造。

测量压力范围-100Kpa…0 – 10Kpa …160bar，有相对表压、密封表压和绝压可选。

电缆输出的型号，可选择 I^2C 和模拟电压双信号输出。

RS PM160-DV

It's a dual digital (I^2C,SPI) output pressure and temperature Sensor with diagnostics, use silicon piezoresistive technology with compact designed.

Pressure Range, -100Kpa …0 – 10Kpa … 160 bar, Gauge (relative), Gauge (sealed) and Absolute available.

Sensor Outputs with cable, I^2C and Voltage dual output are available upon request.

功能和应用 Features & Applications

PM160-DV 系列产品采用数字运算补偿标定，I^2C，SPI 数字压力和温度双输出：

在-20°C~85°C 温度区间内产品总精度 TEB≤ ±0.25%(典型值)。

产品具有故障诊断和现场零点调节功能，经过严苛测试反复验证，专为物联网时代低功耗数据采集应用需求设计，产品具有长期可靠的稳定性。

产品压力介质接触部分采用 SUS316L 不锈钢密封焊接设计,有内置脉冲压力缓冲器设计可选，保证压力传感器的可靠性和耐用性，该系列产品具有 IP67 或 IP68 等级防护，以及 EMI 防护能力，能满足大多数应用环境。

PM160-DV pressure transmitter is digital compensated and with I^2C, SPI digital output for pressure and temperature;

TEB ≤±0.25%(Typical) between -20°C ~85 °C.

Products are designed for lower power consumption applications, sensor are with diagnostics and Zero Programable, also with long-term stabilities.

Material contacts with Media are SUS316L S. steel, and welded together. Pressure Snubber is available for enhancing the product reliability and durability; IP67 or IP68 and EMI protection.

产品特点 Product Highlights

- ✓ 压力和介质温度双信号数字输出(I^2C, SPI)
- ✓ 快至 0.5ms 的响应速度
- ✓ 采用 24 位芯片，高分辨率输出
- ✓ TEB≤±0.25%FS（温度补偿范围内典型值）
- ✓ IP68 防护等级
- ✓ 产品小型化设计,产品最大尺寸小至 18A/F;
- ✓ 具有故障诊断功能;
- ✓ 高过载，全系列≥3x 过载设计；

- ✓ Digital Interface (I^2C, SPI), dual output for pressure and media temperature
- ✓ Response time up to 0.5ms
- ✓ High definition built with 24 bits ASIC
- ✓ TEB≤±0.25%FS(Typical) within compensated temperature range
- ✓ IP68 Enclosure
- ✓ Compact designed, down to 18 A/F
- ✓ Diagnostics Functions
- ✓ ≥3x FS Pressure Overload

标准压力量程 Pressure Range

表压、密封表压或绝压可选
Gauge(Relative or Sealed)/Absolute

0 – 10 Kpa	0 – 35 Kpa	0 – 100 Kpa
0 – 2 bar	0 – 5 bar	0 – 10 bar
0 – 16 bar	0 – 25 bar	0 – 40 bar
0 – 60 bar	0 – 100 bar	0 – 160 bar

其它压力量程可选，请与我们联系。
Other Pressure Ranges are available upon request.

扫描下载产品规格书
Scan code for datasheet

RS PM60-DVL 数字输出压力和温度双输出小尺寸传感器
RS PM60-DVL Compact Digital Output Pressure and Temp. Sensor



RS PM60-DVL 系列是一款超小尺寸、超低功耗的数字(I2C)型压力和温度双输出高稳定性智能传感器，产品采用模块化、小型化设计及专利结构设计制造。

测量压力范围-1…0 - 3.5… 60bar，有相对表压、密封表压和绝压可选。

RS PM60-DVL

It's an extreme small size and Low Power digital (I2C) pressure and temperature Dual output Sensor, use silicon piezoresistive technology with compact designed.

Pressure Range, -1…0 - 3.5 … 60 bar, Gauge (relative), Gauge (sealed) and Absolute available.

功能和应用 Features & Applications

PM60-DVL 系列产品采用数字运算补偿标定，I²C，SPI 数字压力和温度双输出：

在-10°C~70°C 温度区间内产品总精度 TEB≤±0.5%(典型值)。

专为物联网时代超低待机功耗、小尺寸、需要长期可靠工作的数据采集应用需求设计，产品具有长期可靠的稳定性。

产品压力介质接触部分采用 SUS316L 不锈钢密封焊接设计,保证压力传感器的可靠性和耐用性，该系列产品设计有 EMI 防护能力，能满足大多数应用环境。

P60-DVL pressure transmitter are digital compensated and with I²C digital output for pressure and temperature;

TEB ≤±0.5%(Typical) between -10°C ~70 °C.

Products are designed for lower power consumption applications, supper small sizes and with long-term stabilities.

Material contacts with Media are SUS316L S. steel, and welded together to enhance the product reliability and durability, also designed with EMI protection.

产品特点 Product Highlights

- ✓ 超小尺寸，最大外径φ15.7mm
- ✓ 压力和介质温度双信号数字输出(I2C)
- ✓ 高精度，TEB≤±0.5%FS
- ✓ uA 级待机功耗
- ✓ 支持 I2C 地址改写
- ✓ 高过载，全系列≥3x 过载设计
- ✓ 支持低电压，最低电压至 2.5Vdc

- ✓ Smaller, overall size < Dia 15.7mm
- ✓ Digital Interface (I2C), dual output for pressure and media temperature;
- ✓ TEB≤±0.5%FS
- ✓ Super Low power consumption
- ✓ Name I2C Address function
- ✓ ≥3x FS Pressure Overload
- ✓ Voltage supplies lower to 2.5Vdc

标准压力量程 Pressure Range

表压、密封表压或绝压可选
Gauge(Relative or Sealed)/Absolute

0 – 3.5 bar	0 – 5 bar	0 – 10 bar
0 – 16 bar	0 – 25 bar	0 – 40 bar
0 – 60 bar		

其它压力量程以及负压版本可选，请与我们联系。
Other Pressure Ranges and Negative measurement are available upon request.

扫描下载产品规格书
Scan code for datasheet

RS PMLG150 系列 采用 MEMS 技术高精度智能液位变送器
RS PMLG150 Precision Liquid Level Pressure Sensor



RS PMLG150 系列是一款带智能诊断的高精度液位变送器，产品采用模块化、小型化设计，精选进口 MEMS 压力芯片，采用国际领先水平的封装工艺和自主专利结构设计封装制造。

产品采用数字补偿标定，内置故障诊断功能，具有极强的 EMI 防护，专为抗干扰场景设计。

有 0.5-4.5V, 0-10V, 4-20mA 可选，液位量程 0- 1···150 mH_2O。

RS PMLG150 series is a high-precision liquid level transmitter with intelligent diagnosis. The product adopts a modular and compact design, utilizes imported MEMS pressure chips, and employs internationally leading packaging technology and proprietary structural design for packaging and manufacturing.

The product adopts digital compensation calibration, incorporates a built-in fault diagnosis function, and boasts strong EMI protection, specifically designed for anti-interference scenarios.

Output 0.5-4.5V, 0-10V, 4-20mA are available,
Level ranges: 0- 1···150 mH2O.

应用场景 Applications

✓	医药、化工	Pharmaceuticals Industry Chemical Industry
✓	电力与能源系统	Power and Energy Systems
✓	矿山	Mining Equipment
✓	水处理及供水系统	Water Supply & Treatment
✓	环境与水利监测	Environmental and Hydrological Monitoring

产品特点 Product Highlights

✓	高精度，采用数字补偿校准技术	Precision with Digital Compensated
✓	二级密封防护设计，产品长期稳定可靠	Dual Sealing Design makes Sensor Reliable
✓	产品设计小巧，防堵塞设计	Compact and Anti-clogging Design
✓	产品具有故障诊断功能	Fault Diagnosis Function
✓	超强 EMI/EMC 保护设计	Enhanced EMI/EMC Design
✓	产品通过 CE 认证。	CE Compliant & Rohs Compliant

标准量程 Pressure Range

0-1···150 mH2O

信号输出 Singal Output

4-20mA, 0.5-4.5V, 0-10V, 1-10V

扫描下载产品规格书
Scan code for datasheet

RS WA30 带显示高精度智能压力变送器，专为水行业和户外使用设计
RS WA30 Pressure Sensors with Monitor, Designed for Outdoor Applications



RS WA30 系列智能传感器专门针对消防、供水、水下作业机器、石油管道等行业潮湿环境，采用 IP68 超级密封防水防潮设计，使产品长期在恶劣潮湿环境下仍能正常工作，产品特别适合于户外应用场景。
全系列产品通过 CE 认证。

RS WA30 Series
Pressure Sensors with monitor special designed for Outdoor Applications, i.e., Fire Fighting, Water Supply, Oil Pipes, etc. Where needs the sensors to be well protected from water and humidity.
Products are CE certified.

应用场景 Applications

管道压力监控 Pipes Pressure Monitor
智慧城市 Smart City Management
二次供水/泵房 Water Supply
水处理行业 Water Treatment Industry
消防供水 Fire Hydrant

产品特点 Product Highlights

- ✓ 高精度，-20°C~85°C 温度范围压力 TEB 总精度≤±0.5%
  Pressure TEB ≤±0.5% [1] within -20°C~85°C
- ✓ 高过载抗水锤冲击，5 x 压力过载设计
  5 x FS Overload Pressure
- ✓ 智能诊断功能
  Diagnostics Fault Signal Programable
- ✓ 小尺寸设计，2000+万次疲劳测试寿命
  Compact designed, 20+ millions fatigue life
- ✓ 全温区 0.2%高精度显示精度
  Display Accuracy±0.2% covering -20°C to 85°C (Excluding transducer output)
- ✓ 行业首创采用一体化磁控开关设计，真正实现 IP68 防护等级
  Integrated Magnetic switch, IP68 protected for whole product cycle life
- ✓ 0 功耗待机省电设计
  Energy Saving Designed

标准压力量程 Pressure Range

密封/相对表压或绝压可选
Gauge(Relative or Sealed)/Absolute

0 – 1 bar	0 – 2 bar	0 – 5 bar	0 – 10 bar
0 – 16 bar	0 – 25 bar	0 – 30 bar	

RS485 版本可以显示负压和水位深度，其它量程可以定制，
Other pressure ranges(including negative pressure version) are available upon request.

信号输出 Singal Output

4-20mA, 0.5-4.5V, RS 485

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RS PM350-RTU

无线传输高精度智能压力和温度变送器专为物联网和在线监控设计

Pressure & Temperature Sensors with Remote Transmission Unit Designed for IoT Applications



RS PM350-RTU 系列物联网压力和温度变送器，是一款集数据采集、数据无线传输于一体的设备，产品尺寸小,功能齐全，采用超低功耗 MCU，高分辨率 OLED 显示，无线模块采用 NB-IoT/4G 网络，内置大容量锂电池，支持优先使用外接供电，可连续工作五年以上，是为消防、供水管网、水利、智慧城市、能源化工等多领域户外环境使用设计的专业监测终端。

RS PM350-RTU

IoT pressure and temperature transmitter is a device that integrates data acquisition and wireless data transmission. The product is small in size, fully functional, uses ultra-low power MCU, high-resolution OLED display, wireless module adopts NB IoT/4G network, built-in large capacity lithium battery, supports priority use of external power supply, and can work continuously for more than five years. It is a professional monitoring terminal designed for outdoor environment use in multiple fields such as fire protection, water supply network, water conservancy, smart city, energy and chemical industry.

应用场景 Applications

管道压力监控	Pipes Pressure Monitor	石油化工	Petrochemical industry
智慧城市	Smart City Management	消防供水	Fire Hydrant
二次供水/泵房	Water Supply	远程监控	Remote Monitor and Control

产品特点 Product Highlights

- ✓ 压力测量精准，高过载抗水锤冲击
  Precision and High-Pressure Overload
- ✓ IP67/68 防护设计
  IP67/68 Enclosure Protection
- ✓ 高精度输出介质温度
  High Accuracy Output Media Temperature
- ✓ 设备远程设置，配备云平台、数据在线处理和 APP 服务
  Remote Device Configuration，Mobile APP available upon request
- ✓ 多元频段通信,NB-IoT/4G 全网通
  Multiband Communication
- ✓ 实时告警传送,小尺寸更智能
  Real time Alarm Transmission，Smaller and Smarter
- ✓ 支持外部供电和外部信号采集和传输
  Support External Power Supply and Data Transmission

标准压力量程 Pressure Range

密封/相对表压或绝压可选
Gauge(Relative or Sealed)/Absolute
0-10 bar　　0-20 bar　　0-30 bar

其它量程可以定制
Other pressure ranges are available upon request.

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罗迪传感 – 高性能压力传感器制造商和方案服务商
Rodee Sensors, A Precision and Reliable Pressure Sensors Provider



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More and updated product info, please visit at https://www.szrodee.com/zcyxz
如需定制产品，请联系罗迪传感技术顾问。
Customization is available upon Request.

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