

单晶硅压力变送器产品家族



Monocrystalline Silicon Pressure Transmitters Portfolio

单晶硅压力变送器隔膜产品家族



Monocrystalline Silicon Remote Pressure Transmitters Portfolio

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智能压力变送器

SMART PRESSURE TRANSMITTER

流程工业
For Process Industry



智能压力变送器MDM7000系列

MDM7000 Series Smart Pressure Transmitter

智能压力变送器MDM7000系列产品，采用高性能单晶硅复合压力传感技术，用于测量多种介质（液体、气体、混合液体等）的压力/差压、液位/物位、密度以及流量信息。多种输出方式可选，包含标准4~20mA模拟电流信号，HART通讯协议等工业总线协议。应用现场可通过按键、手操器或PC端进行参数设定、监控和测试，为工业过程的自动化控制提供高效可靠的测量方案。

MDM7000系列产品以优异的性能通过多项行业认证，拥有多种形态、功能模块以及材质可选，可应对更为复杂的工况。广泛应用于油气、化工、锂电、电力、造纸、冶金、船舶、食品制药等工业领域。

MDM7000 series smart pressure transmitters utilize high-performance monocrystalline silicon compound strain sensing technology to measure pressure/differential pressure, level/material level, density, and flow of various media, including liquids, gases, mixed liquids, etc. A wide range of outputs is available, including standard 4-20mA analog current signal, HART communication protocol, and other industrial bus protocols. At the application site, specifications setting, monitoring and testing can be carried out through buttons, field communicator or PC terminal, providing efficient and reliable measurement solutions for the automated control of industrial processes.

MDM7000 series smart pressure transmitters, with superior performance and complete certification, are available in various configurations, functional modules, and materials, capable of addressing more complex operating conditions. They are widely used in industrial fields such as oil and gas, chemicals, lithium batteries, power generation, pulp and papermaking, metallurgy, shipbuilding, food and pharmaceuticals.

单晶硅压阻技术压力变送器, 可达0.05%精度

Monocrystalline silicon piezo-resistive pressure transmitter

Up to 0.05% accuracy



第二代自研

单晶硅压阻技术差压传感模块

哈C膜片, 化工工况防腐性能更优异



Second generation self-developed
Monocrystalline silicone piezo-resistive differential pressure sensing module
Hastelloy C diaphragm, superior anti-corrosion performance in chemical operating conditions

参考精度0.05%

神经网络算法自动补偿



Reference accuracy 0.05%
Neural network algorithm automatic compensation

耐瞬变电压保护端子模块, 雷击浪涌保护



Strong transient voltage resistance to protect terminal module
Lightning surge protection

壳体外部隔离磁感应菜单操作按键, 带电带压安全调节



External isolated magnetic induction menu buttons
Safe adjustment under power and pressure

高强度电气保护壳体, 支持铝合金, 不锈钢 适用于多种腐蚀介质



High-strength electrical protection housing
Aluminum alloy and stainless steel are available
Applicable to various corrosive media

满足化工极端工况

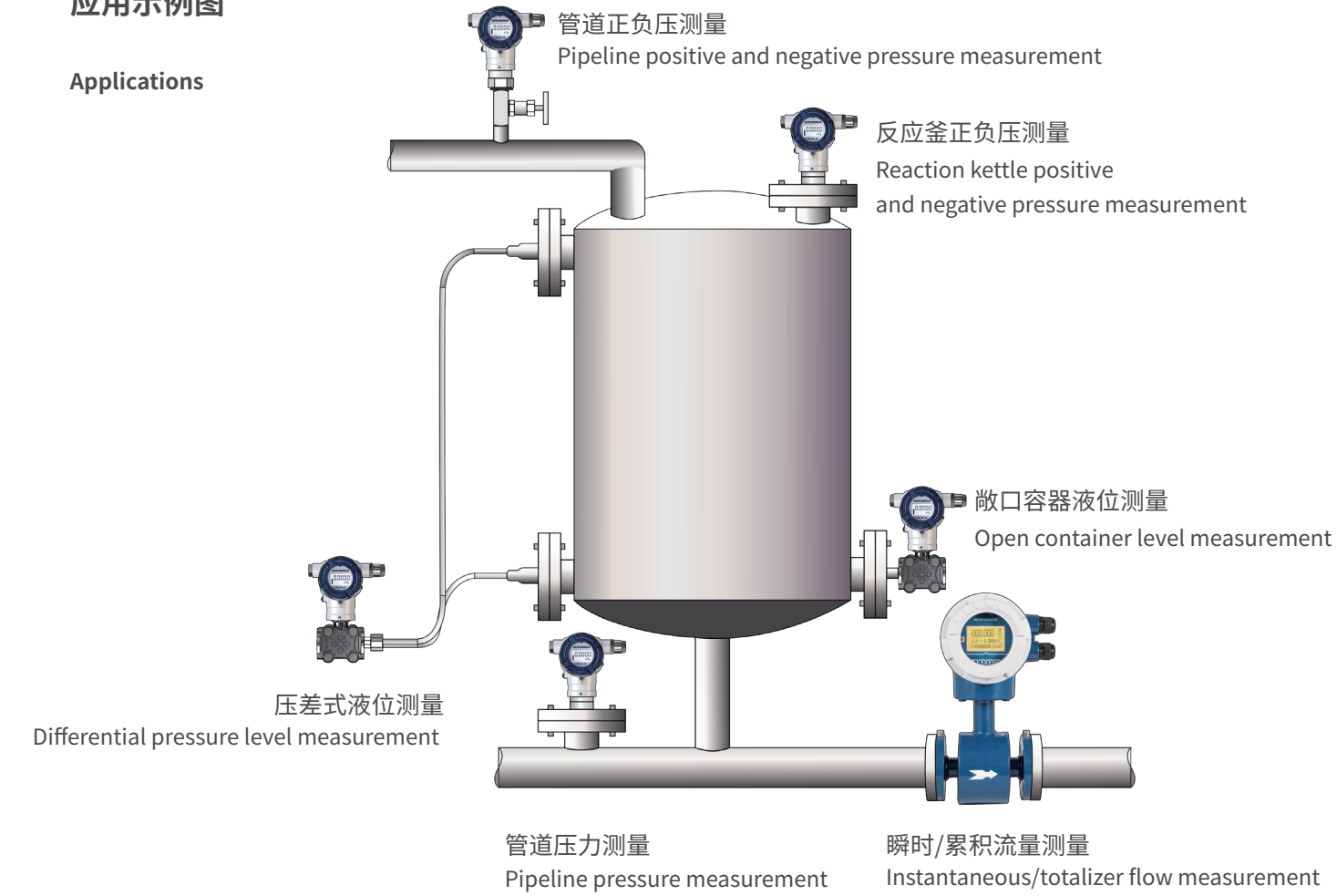
全焊接一体化隔膜系统
316L、哈C、钽、蒙乃尔、钛等



Meets extreme operating conditions in chemical industry
Fully welded integrated diaphragm system
316L, Hastelloy C, Tantalum, Monel, Titanium, etc.

应用示例图

Applications



国际现场通信技术基金会成员
Membership of the FieldComm Group

国内外防爆安全认证
Authoritative certificates



生产基地 Manufacturing bases



宝鸡高新产业园
Baoji High-tech Industrial Park

宝鸡姜谭产业园
Baoji Jiangtan Industrial Park

西安高新产业园
Xi'an High-tech Industrial Park

上海闵行产业园
Shanghai Minhang Industrial Park

十万级无尘封装洁净室



Class 100,000 cleanroom

高低温补偿自动化产线



Automated production line with high and low temperature compensation