数显压力开关
Digital Pressure Switch

产品概述 Product Overview

该系列产品是一款智能型数显压力开关，集压力测量、显示、控制于一体的智能型数字式压力开关。

该系列数显压力开关可设置两路常开常闭报警点，也可实 现两路高低压控制，另外具有一键清零，三种显示单位切换等多种功能。

电路的设计注重稳定性，充分考虑了自动化现场的实际工况，电路具有强抗干磁干扰、防浪涌保护、防反接保护等。

这款压力开关的外壳及接头采用304不锈钢材料，产品美观，坚固耐用。特别适合自动化产线、液压系统等领域。

The series of products is an intelligent digital pressure switch that combines pressure measurement, display, and control into a single device. It features a digital display and offers various functions such as setting two alarm points (normally open or normally closed), high and low pressure control for two channels, as well as one-touch zeroing and switching between three display units.

The circuit design of this pressure switch prioritizes stability and takes into consideration the practical conditions in automation environments. It incorporates strong resistance to magnetic interference, surge protection, and reverse connection protection.

The shell and connectors of this pressure switch are made of durable 304 stainless steel, ensuring both a visually appealing design and long-lasting durability. It is particularly suitable for applications in automation production lines and hydraulic systems.

技术特点 Technical Features

- 60/80/100mm表盘直径，304不锈钢材质，径向安装；
- 多种单位可切换：MPa，kgf/cm²，PSI（或kPa，kgf/cm²，PSI）；
- 四位LED实时显示，双组继电器信号输出，上下限、回差可设；
- 多种接线方式，可作为控制器，开关，数显电接点压力表使用；
- 可根据特种行业的需求，定制专用传感器。

- 60/80/100mm dial diameter, made of 304 stainless steel.Radial installation.
- Multiple units can be switched: MPa, kgf/cm², PSI (or kPa, kgf/cm², PSI).
- Four-digit LED display for real-time readings. Dual relay signal output, adjustable upper and lower limits, and hysteresis.
- Multiple wiring options for use as a controller, switch, or digital electric contact pressure gauge.
- Customized sensors can be developed according to the specific requirements of different industries.

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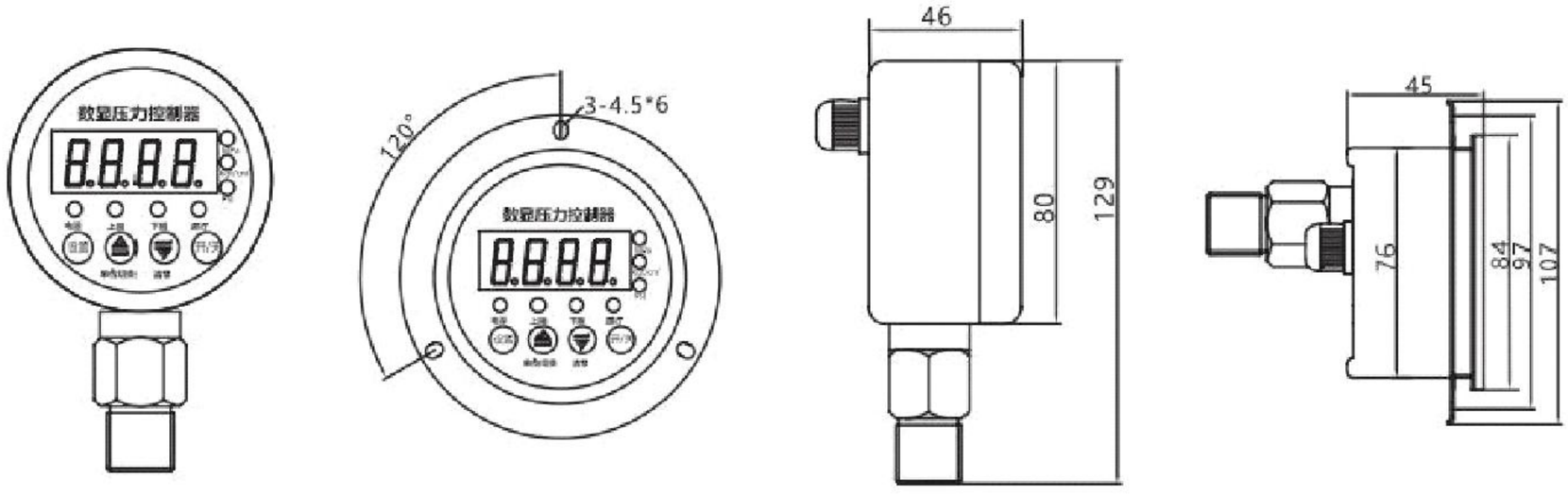
产品应用 Product Applications

- 设备自动化；
- 工程机械；
- 医疗设备；
- 泵及压缩机；
- 能源及水处理系统；
- 农机设备；
- 测试架；
- 液压及气动系统。

- Equipment Automation.
- Construction Machinery.
- Medical Equipment.
- Pumps and Compressors.
- Energy and Water Treatment Systems.
- Agricultural Machinery.
- Test Rigs.
- Hydraulic and Pneumatic Systems.

产品尺寸 Product Dimensions

单位 Unit：mm



注：另有60/100mm表盘可选，具体咨询销售工程师。
Note: 60mm and 100mm dial options are also available. Please consult with the sales engineer for specific details.

选型指南 Selection Handbook

TK E 6M 1 J P2 M20 B2 T3 L

安装方式：E（径向安装），Z（轴向安装）
Installation Method: E (radial), Z (axial)

量程 Measurement Range:
Xk（0-XkPa），Xb（0-Xbar），
XM（0-XMPa）

精度 Accuracy: 6（1%FS），
1（0.5%FS）*1

输出类型：J（继电器输出）
Output Type:J(Relay Output)

附加选型：L（显示型）
Additional Option:L (Display Type)

使用温度：T3（-20~80℃），T9（定制温度）
Operating Temperature: T3（-20~80℃），
T9（定制温度 Customized Temperature）

出线方式：B2（直出），B4（对插）
Wire Connection:B2 (Direct Output),
B4 (Opposite Plug)

螺纹接口 Threaded Interface：G14(G1/4),
N14(NPT1/4),Z14(ZG1/4),M20(M20*1.5),
M9(定制螺纹 Customized Thread),
G12(G1/2),N12(npt1/2)

供电电压 Power Supply Voltage:
P2(24V)，P8(12V)

说明 Description：高压及微压量程精度为1%FS。High pressure and micro pressure range accuracy is 1%FS