数显压力控制器
Digital Pressure Controller

产品概述 Product Overview

该系列产品是一款高精度智能型数显压力控制器，集压力测量、显示、控制于一体的智能控制仪表，该系列具有操作简单，控制精度高，控制范围可任意调节等特点。

该系列产品表壳尺寸60/80/100mm可选，轴向径向两种安装可选。用户可以根据自己的需求选择合适的外形尺寸和安 装方式。

该款智能控制器功能强大，具有延时控制，反向控制，压力单位切换，误差清零、密码保护等多种附加功能，是一款真正意义上的高智能仪表。

该系列数显控制器，采用304不锈钢外壳和接口，具有耐震性好、寿命长、耐冲击压力等特点，特别适合液压机、高压空压机、高压清洗机及各类自动化控制机械配套。

The series of products is a high-precision intelligent digital pressure controller that combines pressure measurement, display, and control functions in a single device. It offers easy operation, high control accuracy, and adjustable control range.

Available in 60mm, 80mm, and 100mm shell sizes, the controller can be installed either axially or radially, allowing users to choose the suitable size and installation method as per their requirements.

This intelligent controller is equipped with powerful features including delay control, reverse control, pressure unit switching, error zeroing, and password protection, making it a truly advanced instrument.

Constructed with a durable 304 stainless steel shell and interface, the controller exhibits excellent shock resistance, long lifespan, and the ability to withstand high-pressure impacts. It is particularly suitable for applications in hydraulic presses, high-pressure air compressors, high-pressure cleaning machines, and various types of automated control machinery.

技术特点 Technical Features

- 304不锈钢表壳及接头，轴向径向安装可选；
- 四位LED实时显示压力，简单直观；
- 多种单位可切换：MPa，Kgf/cm²，PSI（或kPa，Kgf/cm²，PSI）；
- 60/80/100mm表盘直径，继电器输出，上下限可设，满足不同的客户需求；
- 内设多种功能：延时控制、反向控制、漏压保护、密码保护、显示位数可调、反应速度可调等；
- 可以根据特种行业的要求，定制专用传感器。
- 304 stainless steel shell and connectors, with axial and radial installation options.
- Four-digit LED display for real-time pressure readings, providing a simple and intuitive interface.
- Multiple units can be switched, including MPa, kgf/cm², and PSI (or kPa, kgf/cm², PSI).
- Available in 60mm, 80mm, and 100mm dial diameters, with relay output and adjustable upper and lower limits to meet different customer requirements.

- Various built-in functions, including delay control, reverse control, pressure leak protection, password protection, adjustable display digits, and adjustable response speed.
- Customized sensors can be developed according to the specific requirements of different industries.

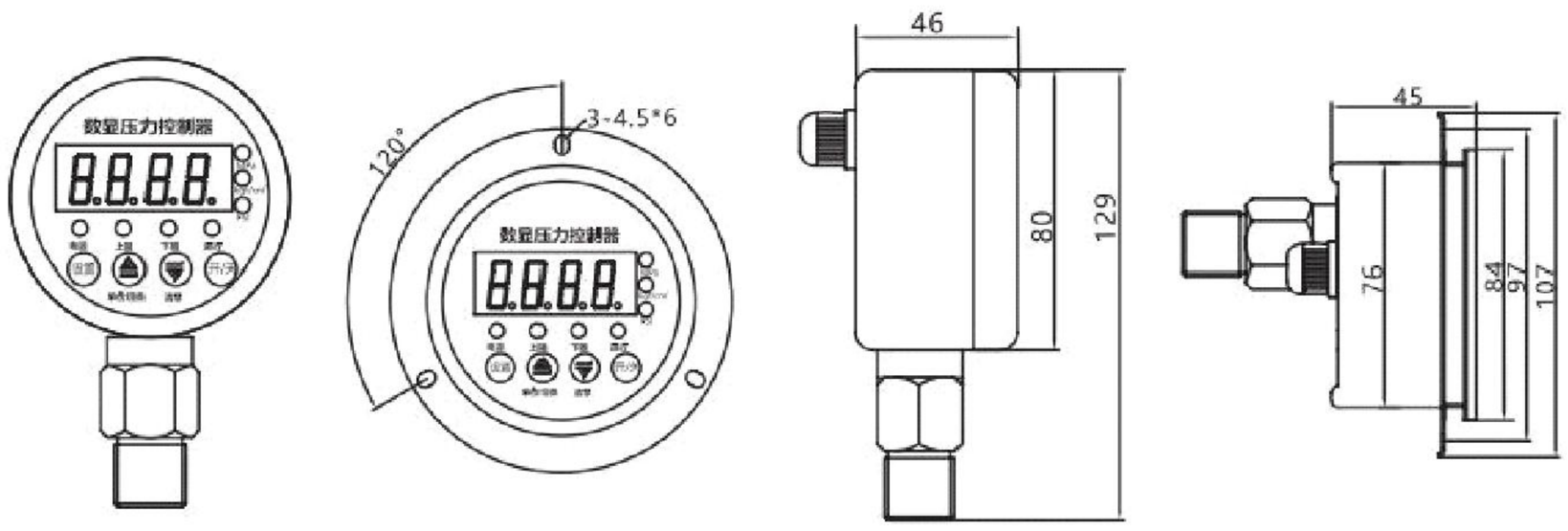
产品应用 Product Applications

- 水泵控制；
- 空压机；
- 自动化机械；
- 热工行业。

- Pump Control Machine.
- Air Compressor.
- Automation Machinery.
- Thermal Industry.

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.

技术参数 Main Technical Specifications

量程 Measurement Range	0.1~0..0.1....1.6..25..60..100..160MPa
过载压力 Overload Pressure	150%（>10MPa），200%（≤10MPa）
上下限设置 Upper/Lower Limit Setting	1%~99%可设 Adjustable
报警方式 Alarm Method	继电器信号（下限闭合、上限断开或上限闭合、下限断开） Lower limit closed, upper limit open orupper limit closed, lower limit open
精度等级 Accuracy Grade	0.5%FS，1%FS(100..160MPa)
长期稳定性 Long-term Stability	优于0.5%FS/年 Better than 0.5%FS/year
负载能力 Load Capacity	220VAC 5A 24VDC 5A

供电电压 Power Supply Voltage	12VDC 24VDC 110VAC 220VAC 380VAC（可选）(optional)
工作温度 Operating Temperature	-20～80℃
电气保护 Electrical Protection	短路保护，防反接保护（针对直流供电）抗电磁干扰设计 Short-circuit protection, reverse connection protection (for DC power supply), anti-electromagnetic interference design
采样频率 Sampling Frequency	5次/秒 5 times/second
测量介质 Measuring Medium	与316不锈钢兼容的气体或液体 Gas or liquid compatible with 316 stainless steel
压力接头 Pressure Interface	M20*1.5、G1/2、G1/4可定制 (customizable)
接头材质 Connector Material	304不锈钢 304 stainless steel
外壳材质 Shell Material	304不锈钢 304 stainless steel
出线定义 Wire Definitions	电源：红蓝输出：黑白（继电器信号） Power: Red/Blue, Output: Black/White (relay signal)
防护等级 Protection Level	IP65（室外使用时，请加防雨淋措施） IP65 (For outdoor use, please take rainproof measures)

选型指南 Selection Handbook

TK E 6M 6 J P4 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：1（0.5%FS）
6（1%FS）*1

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

供电电压 Power Supply Voltage:
P2(24V)，P4(220V)，P6(110V)，
P5(380V)，P8(12V)

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)

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

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

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

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.