



UPS3 Intelligent Pressure Controller

Description

UPS3 intelligent digital pressure controller is a pressure measurement & control product with intelligent digital display, it is combined the functions of pressure measurement, display, output and control. This product is made with entire electronic structure, and built isolated-membrane pressure sensor in its front end. Its output signal is transformed through high accuracy A/D converter, and processed by microprocessor, finally can be demonstrated on the spot, and generated one-way analog output & two-way switch output.

The use of UPS3 intelligent digital pressure controller is very flexible. UPS3's operation and adjustment is simple and easy, meanwhile, this product also has good reliability and safety.

UPS3 is widely used in water and electricity industry, petroleum industry, chemical industry, machinery industry etc, for the pressure measurement and control of many kinds of fluids and gas on the spot.



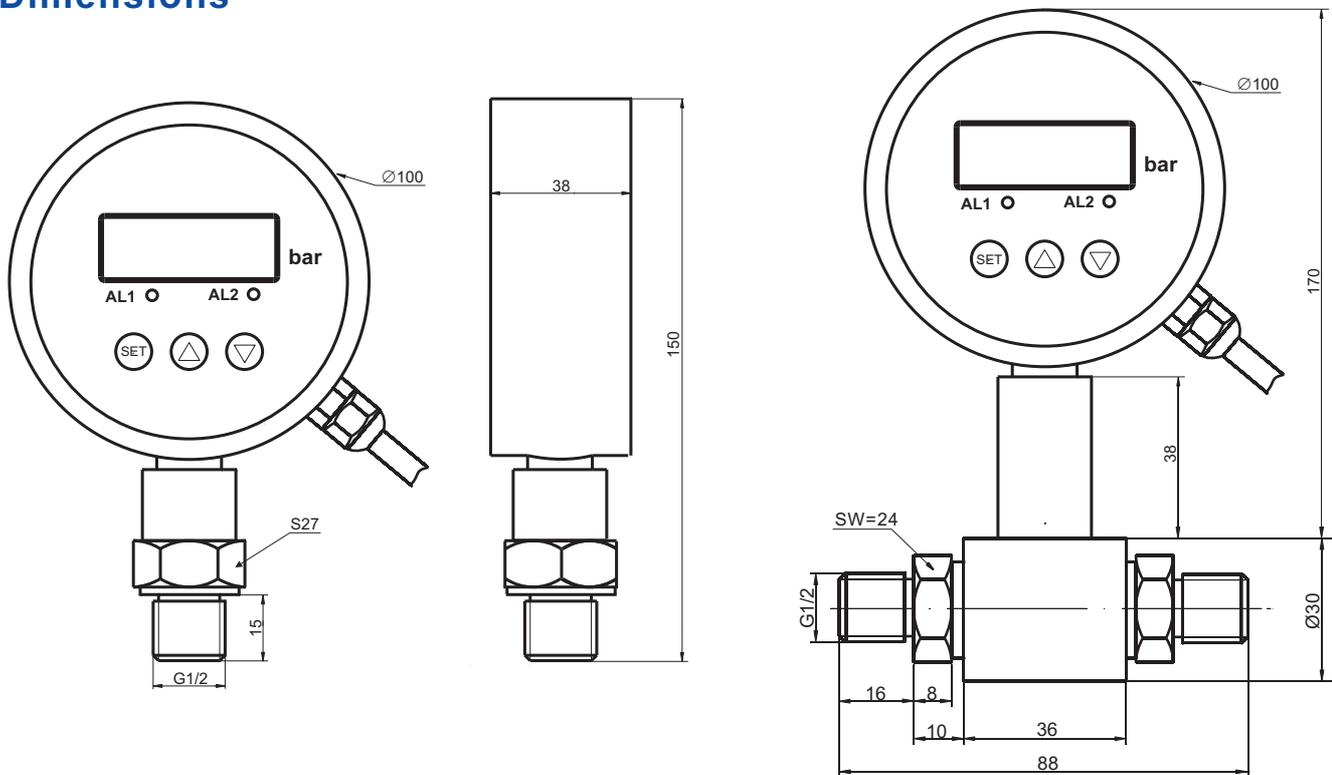
Features

- Dial 100mm, high resolution
- 4-digit LED display, without apparent value error
- Two-channel control point relay output 220V 3A
- 4~20mA standard output (optional)
- Two-channel control point can be set on the spot
- Intelligent and digital product

Specifications

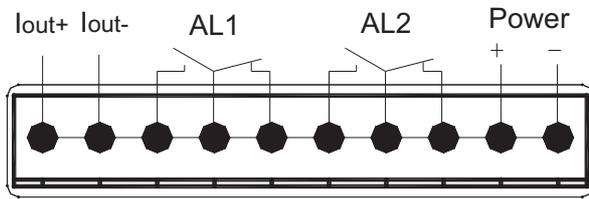
pressure medium	gas or liquid compatible with stainless steel
pressure ranges	-1...0~0.1...1000bar
overload pressure	150%FS
output signal	4~20mA(option)
relay output	220V/3A
controlling accuracy	0.25%FS(standard)
display accuracy	0.1%FS
long-term stability	<0.2%FS/year
supply voltage	24V DC(standard) or 220V AC
ambient temperature range	-30~+80°C
media temperature range	-40~+100°C
display	0.56" LED
display range	-1999~9999
service life of switch	>1 million times
response time	<30ms
process connection	G1/2 or others
material of housing	stainless steel
material of wetted part	1Cr18Ni9Ti
relative humidity	0~80%

Dimensions



Electrical connection

1: pin connector(on back)



2: 2m cable(lock nut)

red: power+
yellow: power-
white: lout+
orange: lout-

AL1 blue: on
black: com
green: oc

AL2 brown: on
purple: com
gray: oc

Ordering code

UPS3		range	measuring range: -1...0~0.1bar...1000bar			
		(X1~X2)bar	X1: lower limit of actual measuring range, X2: higher limit of actual measuring range			
			code	pressure type		
			G	gauge		
			A	absolute		
			S	sealed gauge		
			D	differential		
			code	power supply		
			Z	24V DC(standard)		
			J	220V AC		
			code	process connection		
			P2	G1/2		
			P6	1/2NPT		
			P4	M20×1.5		
			Pz	customer request		
			code	Electrical connection		
			E1	pin connector(on back)		
			E2	2m cable (lock nut)		
			Ez	others		
			code	analog output		
			O0	no analog output		
			O1	4~20mA		
UPS3	(0~25) bar	S	Z	P2	E1	O1

*: The pressure set-point and switch state of the two-way pressure switch can be set at any range, suggesting to set the pressure within 10%~100%, so as to assure the working stability of control point.