

## Description

UIY6 Intelligent pressure gauge is made with entire electronic structure, and uses battery as power supply. It is easy for field installation. UIY6 intelligent pressure gauges are using high accuracy piezoresistive pressure sensors, which is located in the front end of UIY6. The output signal of the pressure sensor is processed and amplified by high accuracy and low temperature coefficient amplifier, and then transferred to A/D switch to transform digital signal which can be processed by microprocessor. After processing operation, the pressure gauge will demonstrate the actual value of the pressure by LCD indicator. UIY6 has automatic turn-off function in 1~15min.

The use of UIY6 intelligent pressure gauge is obviously flexible, and its operation is very simple, and the adjustment of this gauge is easy, safe and reliable. UIY6 intelligent pressure gauge is widely used in such industries as water and electricity, running water, petroleum, chemical, and machinery, for the measurement and demonstration of fluid medium's pressure.



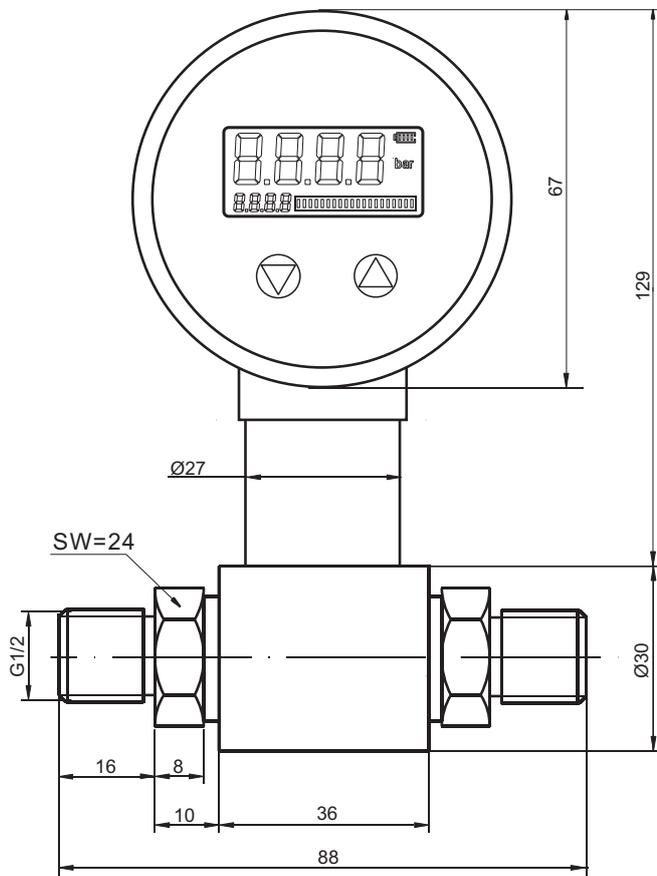
## Features

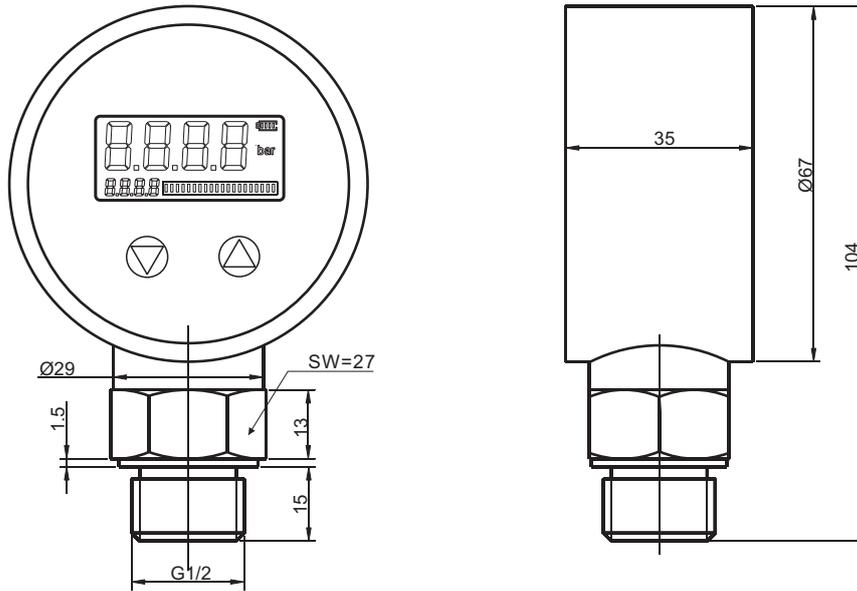
- LCD display, high resolution, without apparent value error.
- Peak value recording function, record the max. pressure value during measuring process.
- Pressure percentage dynamic demonstration (progress strip demonstration).
- Selectable ranges: MPa, psi, bar, kPa, kg/cm<sup>2</sup>.
- 1~15min automatic turn-off function.
- Micro power loss function, can work above 2 years in the electricity saving pattern.
- Parameter revision function, can revise the gauge's zero error on the spot.
- Backlight display for easy reading.

## Specifications

pressure medium	gas or liquid compatible to stainless steel
pressure ranges	-1...0~0.1...1000 bar
pressure type	gauge(G), absolute(A), sealed gauge(S), differential(D)
overload pressure	150%FS
accuracy	0.1%FS,0.25%FS(standard), 0.5%FS
LCD display	4-digit
display range	-1999~9999
long-term stability	<0.1%FS/year
battery power supply	9V DC Alkaline battery
compensated temperature range	-10~+70°C
operating temperature range	-30~+80°C
selectable ranges	Mpa, psi,bar, kpa, kg/cm2
sampling speed	4 times/sec.
insulation resistance	100MΩ@50VDC
process connection	G1/2 or others
housing material	1Cr18Ni9TI and plastic

## Dimensions





## Ordering code

UIY6					
	range	measuring range: -1...0~0.1bar...1000bar			
	(X1~X2)bar	X1: lower limit of actual measuring range, X2: higher limit of factual measuring range			
		code	pressure type		
		G	gauge		
		A	absolute		
		S	sealed gauge		
		D	differential		
			code	accuracy	
			B	0.1%FS	
			C	0.25%FS	
		D	0.5%FS		
			code	process connector	
			P1	G1/4"	
			P2	G1/2"	
			P4	M20×1.5	
			P5	1/2"NPT	
			Pz	customer request	
UIY6	(0~20)bar	G	C	P2	