



Product model: HPM520 intelligent pressure switch

Manufacturer: Nanjing Hangjia Electronic Technology Co., LTD

Product category: pressure switch

Application: Hydropower, petroleum, chemical, machinery, hydraulic and other industries

Overview

HPM520 Intelligent pressure switch is an intelligent display pressure measurement and control product, which combines pressure measurement, display, output and control together. This product is all electronic structure and adopts silicon piezoresistive pressure sensor with isolation diaphragm at the front end. It uses high-accuracy and exclusive ASIC processing with field display, witch can output IAO and 2DI. With the flexibility, easy operation, safety and reliability, this intelligent digital pressure controller can be widely used in hydropower, petroleum, chemical, machinery and other industries.

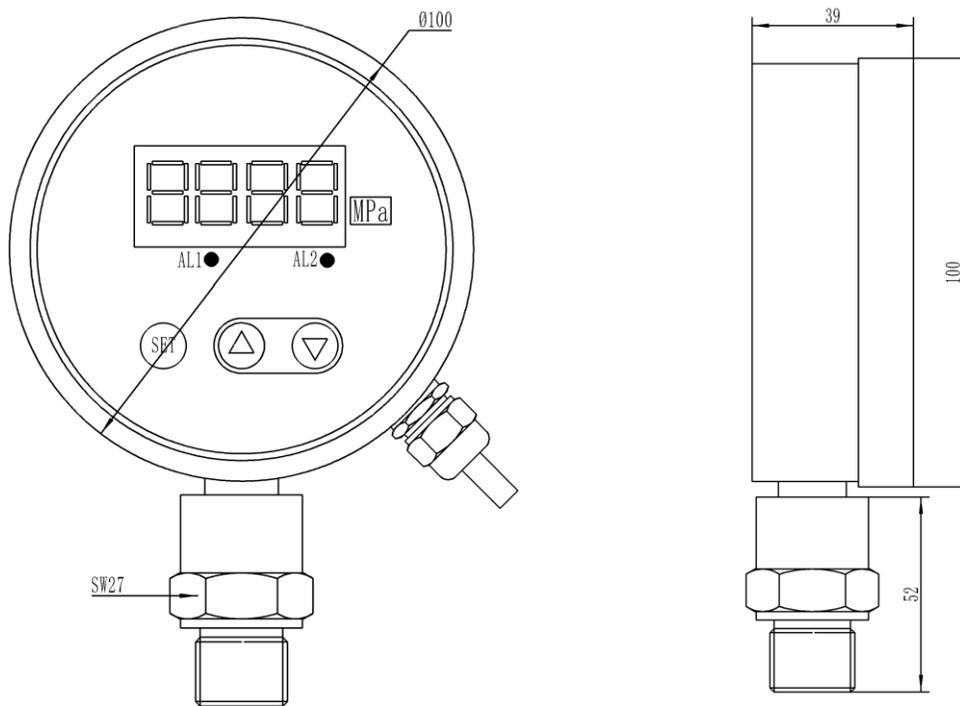
Features

- Φ 100 standard
- 4 bit LED display
- Control point can be field set
- Two control points relay output
- 4~20mA standard signal output optional
- Strict ageing testing, stable and reliable functions

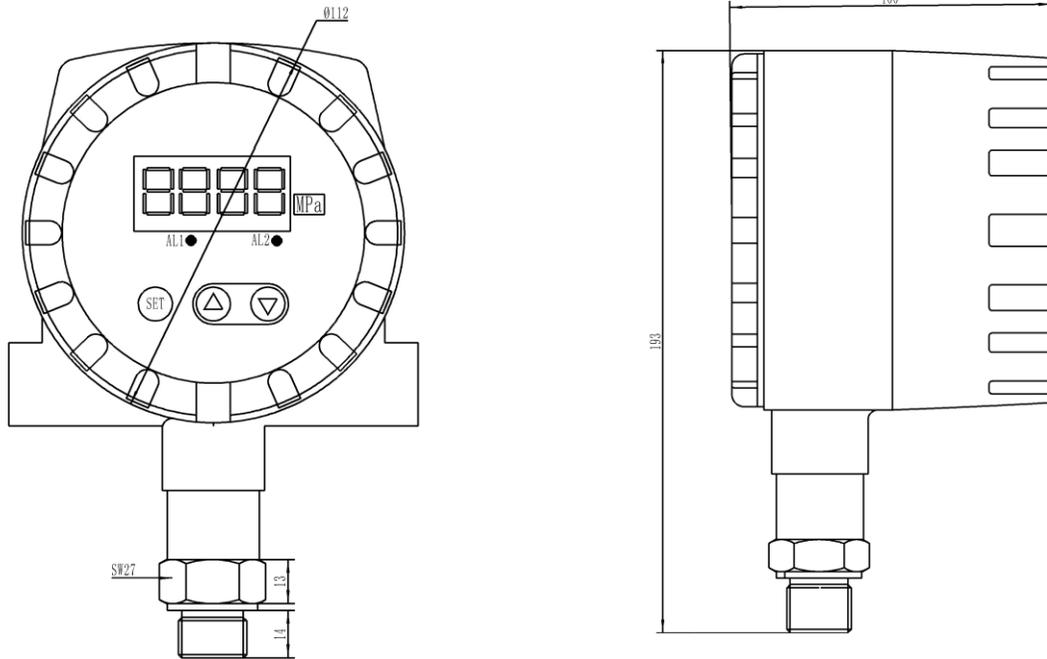
Technical Parameters

Measuring Range	-100kPa...0~0.01...60MPa	Accuracy Grade	0.5%
Overload Capacity	200%	Pressure Type	Gauge
Stability	≤0.1% /year	Power Voltage	24VDC/220VAC
Display Mode	0.56"Nixie tube	Display Range	-1999~9999
Respond Time	≤30ms	Ambient Temperature	-20℃~70℃
Relative Humidity	≤80%	Interface Material	304 Stainless Steel

Structure Drawings



Type A: Φ100 Dial Plate



Type B: Aluminum explosion proof housing

Electrical Connection

Cable connection method

Power Supply	RED V+	Yellow GND		
Two way relay	Blue ON1	Green COM1	Brown ON2	Grey COM2
(4~20)mA	White mA-	Orange mA+		

Ordering Guide

Item No.	Type					
HPM520	Intelligent Pressure Switch					
	Pressure Range	Measuring Range				
	(0~X)kPa	Fill out X directly				
		Code	Output signal			
		B1	(4~20)mA			
		B9	relay output			
		Code	Thread Spec			
		P1	M20x1.5			
		P4	G1/2			
		K	Tri-clamp			
		F	Flange			
		Code	Electrical Connection			
		C2	Cable Outlet			
		Code	Structure&Material			
			Diaphragm	Interface	Shell	
		M1	316L	316L	Stainless Steel	
		M2	316L	316L	316L	
		M3	Tantalum	Hastelloy	316L	
		M4	Titanium	Titanium	316L	
		Code	Additional Functions			
		G	Gauge Pressure (Default)			
		V1	Supply Power 24V DC			
		V2	Supply Power 220V AC			
		Kn	Number of pressure control points, n=1~2			
		Y2	Anti-Explosion Shell			
		Y3	Pressure phenotype circular dial			
HPM520	(0-600)kPa	B1 B9	P1	C2	M1	G V1 K2 Y3

Tips:

1. When ordering products controlled by pressure points, please specify the number of pressure points, the pressure value controlled, and the normally open or normally closed switching points
2. The wiring terminals of some sub-series of products are located at the back of the product shell. To prevent accidents caused by external environmental factors, it is recommended that users do good product protection at the installation site.
3. For other special requirements, please contact us and indicate in the order.