

# PSM-200 Hydrogen Pressure Sensor User Manual



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## I、 Instruction

PSM-200 vehicle-mounted hydrogen pressure sensor is designed with high-quality sensitive sensing elements and dedicated digital circuits, and is encapsulated by a 304 stainless steel housing and a 316L stainless steel connector. This product has a good temperature compensation function and can be used stably in an environment with a wide temperature range; this product can be used for hydrogen pressure measurement in the vehicle-mounted environment of hydrogen energy vehicles, and has excellent stability and reliability.

### Features

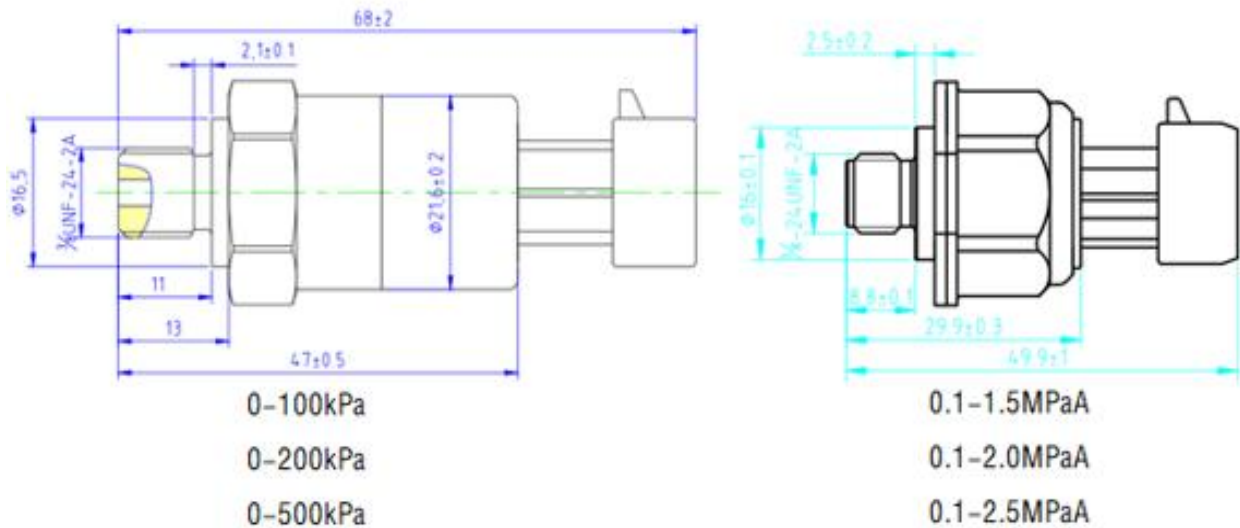
- Used for hydrogen pressure measurement on-board hydrogen energy vehicles
- Signal output: 0.5~4.5V
- 3/8-24UNF-2A thread, easy to install
- IP67 protection level

## II、 Technical specifications

### ● Techniacl parameter

Model	PSM-200					
Measuring range	0~100kPa	0~200kPa	0~500kPa	0.1~1.5MPaA	0.1~2MPaA	0.1~2.5MPaA
Working pressure	<200kPa	<400kPa	<1000kPa	<3MPaA	<4MPaA	<5MPaA
Precision	±1.5%F.S.					
Response time	2ms					
Operating temperature	-40~125℃					
Signal output	0.5~4.5VDC					
Power supply	5.0±0.25VDC					
Working current	<10mA					
Power consumption	<0.1W					
Installation	3/8-24UNF-2A					

## ● Dimensions

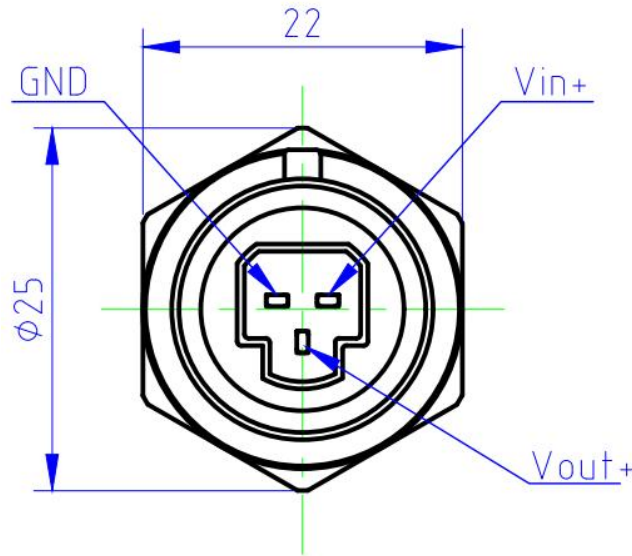


## III、 Installation and use

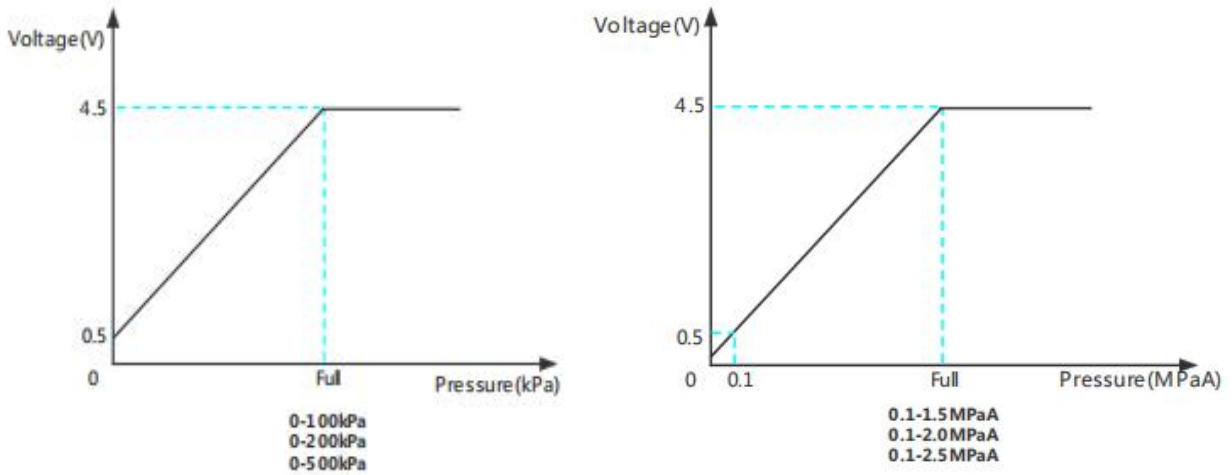
### ● Installation

When installing the sensor, avoid excessive force or damage to the measuring parts due to the collision of sharp objects, otherwise it will affect the measurement. After completing the wiring, check carefully before turning on the power to avoid damage caused by incorrect wiring.

● **Electrical connection**



● **Output curve**



**IV、 Quality and service**

- The company has advanced testing equipment and standardized inspection procedures. Before the products leave the factory, they will conduct strict aging tests and stability tests in accordance with the inspection procedures.
- The product has been carefully debugged and calibrated before leaving the factory to ensure measurement accuracy.
- The company provides free product after-sales service within one year from the date of sale, but doesn't include damage caused by improper use. If you need to repair or debug, please contact customer service to send it back. When sending it back, please make sure that the packaging is good to avoid damage in transit.