

## Hydrogen Energy Pressure Transmitters

### Description

XDB317-H2 series pressure transmitter utilizes SS316L material, combine the best mechanical design for hydrogen measurement with high-performance digital compensation with modular design.

### Features

- ◆ Glass micro melting technology, integrated structure
- ◆ Full temperature range digital compensation
- ◆ Small size, easy to install
- ◆ No welding, no leakage hazards
- ◆ Compact modular profile
- ◆ -40 ° C~125 ° C working temperature
- ◆ Integrated 316L material
- ◆ Anti reverse connection protection
- ◆ Provide OEM, flexible customization

### Typical applications

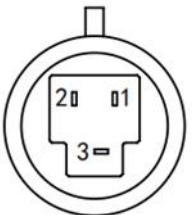
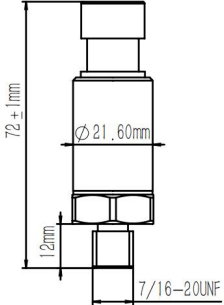

- ◆ PEM hydrogen fuel storage tank
- ◆ Backup power supply
- ◆ Hydrogen filling station L test bench



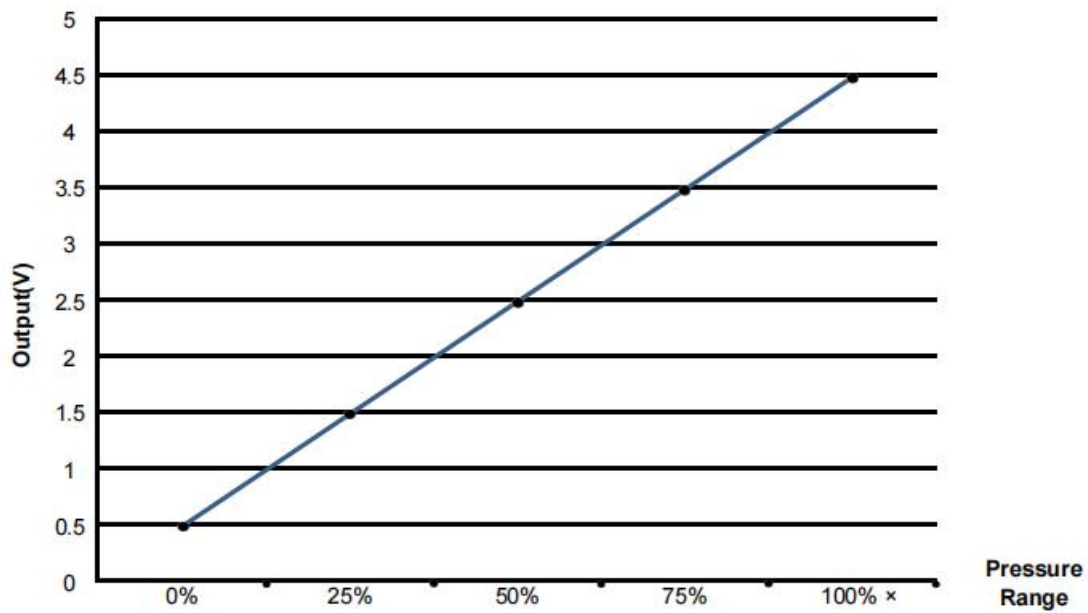
### Parameters

Measuring range	0~900 bar
Thread connection	7/16~20UNF
Electrical process	Packard
Reference temperature	25°C
Supply voltage	DC9-32V/5V/24V
Output voltage	4-20mA, 0.5~4.5V, 1~5V
Comprehensive accuracy	±1.0% FS
Working temperature	-40~125°C
Storage temperature	-50~150°C
Compensation temperature	-20~85°C
Installation torque	< 40 N.m
Overload pressure	200%FS
Burst pressure	500%FS
Pressure cycle	1,000,000 times
Waterproof grade	IP65
Zero point error	±0.5% FS
Stability	±0.25%FS/year

## Dimensions(mm) & electrical connection

Packard		XDB317-H2	
	<p><b>0.5-4.5V:</b></p> <p><b>Red: Supply+ ①</b></p> <p><b>Black: GND ②</b></p> <p><b>Yellow: Output+ ③</b></p>		

## Output Curve





## How to order




E. g. **XDB317-H2 - 20B - 01 - 0 - C - 0 - W2 - c - 03 - SS316L - H2**

1	Pressure range	20B
	B(Bar) P(Psi) K(Kpa) M(Mpa) X(Others on request)	
2	Pressure type	01
	01(Gauge) 02(Absolute)	
3	Supply voltage	0
	0(5VDC) 1(12VDC) 2(9 ~ 36(24)VDC) 3(3.3VDC) X(Others on request)	
4	Output signal	C
	A(4-20mA) B(0-5V) C(0.5-4.5V) D(0-10V) E(0.4-2.4V) F(1-5V) G(I2C) X(Others on request)	
5	Pressure connection	0
	0(7/16-20UNF) X(Others on request)	
6	Electrical connection	W2
	W1(Direct cable) W2(Packard) W4(M12-4Pin) W6(Hirschmann DIN43650A) X(Others on request)	
7	Accuracy	c
	c(1.0%FS)	
8	Paired cable	03
	01(0.3m) 02(0.5m) 03(1m) 04(2m) 05(3m) 06(None) X(Others on request)	
9	Diaphragm material	SS316L
	SS316L X(Please note)	
10	Pressure medium	H2
	X(Please note)	

### Notes:

- 1) Please connect the pressure transmitter to the opposite connection for different electric connector. If the pressure transmitters come with cable, please refer to the rightcolor.
- 2) If you have other requirements, please contact us and make notes in the order.

 #98 Rongyang Rd, Songjiang, SH, 201613, CHINA  
 +86 19921910756  
 www.xdbsensor.com

 +86 021 37623075  
 info@xdbsensor.com  
 Xidibei Sensor & Control