

WPCH04

General Type Ceramic Pressure Transmitter

(Hirschmann Plug Type)

Zhengzhou Winsen Electronics Technology Co., Ltd

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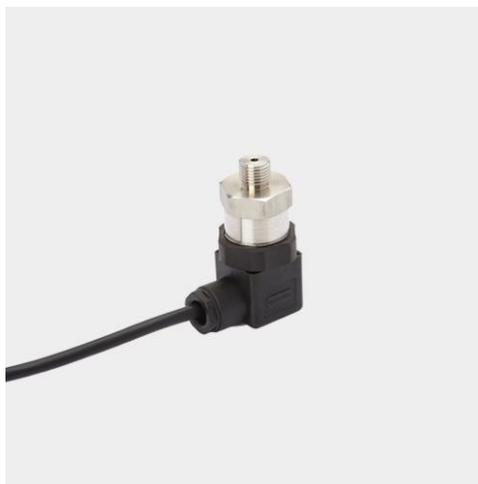
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WPCH04 General Type Ceramic Pressure Transmitter

1. Profile

WPCH04 general type ceramic pressure transmitter has small size and light weight, it is convenient and easy to install. It adopts pressure sensor made by Winsen and it convert pressure into standard voltage signal output through a high reliable amplifying circuit and accurate temperature compensation circuit. The whole stainless delicate structure and plastic elements with high-strength enhance its anti-corrosion character, which make the product meet demands in different application occasions.

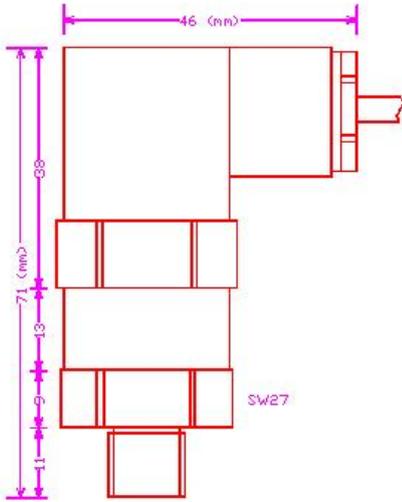
It has various output way and connector, and it also could be customized. It is widely used in water pump, smart water supplying, air compressor, cars, air conditioners, water dealing device, controlling gas and liquid pressure.



2. Parameters

Detection range	0-0.2MPa-.....-40MPa	
Comprehensive	0.1%FS (Default)	
Output signal	0.5-4.5V	Customizable
Power supplying	+5VDC	Customizable
Structural connection	G1/4、G1/8	Customizable
Electrical connection	Hersman's joint	Customizable
Compensation	0-65°C (Default)	Customizable
Working temperature	-20-125°C	
Safe overload	150-200%	
Ultimate overload	200-250%	
Long-term stability	<1%FS/year	
Response time	<1ms	
Shell material	304 stainless steel	Customizable
Protection grade	IP65	

3. Structure sizes



4. Electric connection and definition of wires

Pin	Cable	Definition (Three-wire)	Definition (Two-wire)
1	Red	Power: V+	Power: V+
2	Yellow	Output: OUT+	
3	Black, Blue, Green	Common port: GND	Output: OUT

5. Guide to select model

Example: W—P—C—H—M1—V1—S2—L1—D1—P3

W		Winsen company				
P		Pressure sensors products				
C		Pressure transmitter products				
H	Sensor type	H: Ceramic type	K: Diffused-silicon type	Q: Others		
M1	Detection range	M1 stands for 1MPa; M0.2 stands for 0.2MPa; ... M60 stands for 60MPa				
V1	Supply voltage	V1: 5VD	V2: 12VDC	V3: 24VDC	V4: others	
S2	Output signal	S1: 4-20	S2: 0.5-4.5V	S3: 0-5V	S4: 1-5V	S5: others
L1	Screw Connection	L1: G1/2	L2: G1/4	L3: M20*1.5	L4: M14*1.5	L5: others
D1	Electric connection	D1: Three-pin plug, D2: Hirschmann's joint, D3: Direct leading wire, D4: Aviation plug D5: Others				
P3	Overall accuracy	P1: 0.2%	P2: 0.5%	P3: 1%	P4: 2.0%	P5: 5.0%

6. Cautions

- 1, Before selecting suitable model, please note the compatibility between the medium and the contacting part.
- 2, If selecting others, please indicate the specific requirements.
- 3, if have special requirements on parameters or functions, welcome to communicate with us further.
- 4, Please be sure to pay attention to the definition of cable wiring, the production will fail with wrong connection ways, this should be assumed by users.