

HSP-W Series

Pressure Transmitter

Honeywell HSP-W series pressure transmitter are applied to Central AC water system and other liquid or gas pressure measuring that temperature, pressure and joint material properties match.

The standard threaded connection at the bottom of sensor can be mounted directly on the pipe, and the high precision sensing element can contact the medium directly for pressure measuring.



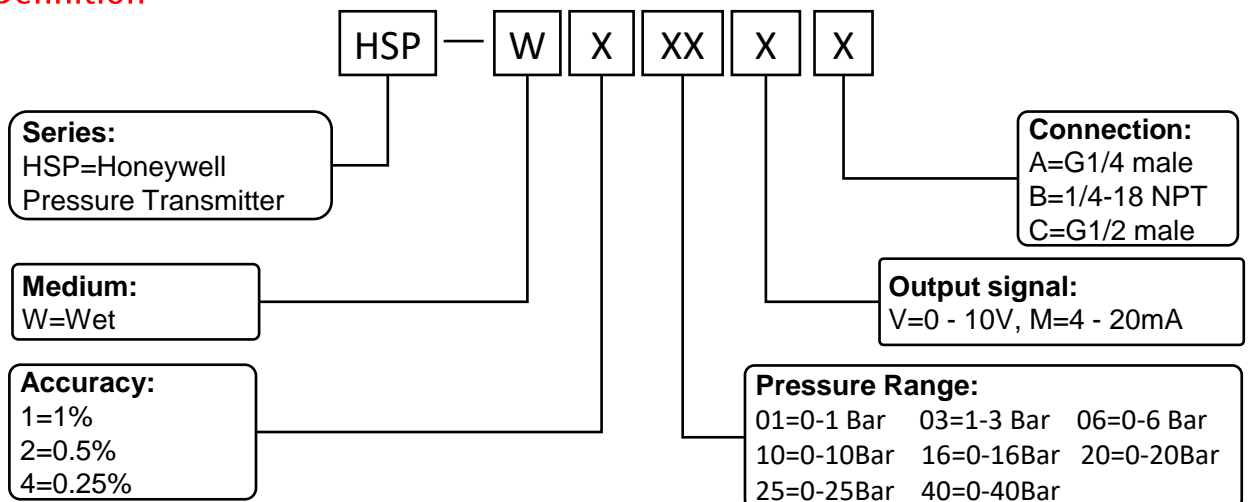
Features

- High precision and performance sensing element.
- Compact design.
- Contact medium parts are made of SS316.
- Better thermal performance.
- 1 meter extension wire for convenient wiring and ensure the overall sealing grade

Basic Parameters

Accuracy (25°C+5°C)	0.25%FS, ± 0.5 %FS and ± 1 %FS
Zero Tolerance	± 0.75 %FS,
Span Tolerance	± 0.75 %FS,
Medium Temp.	-40 to 125°C
Stability	$< 0.5\% \cdot \text{FS} / \text{Year}$
Compensated Temp.	-10°C to 70°C
Working Environment	-20°C to 125°C
Storage Environment	-40°C to 100°C
IP rated	IP65
Response time	< 2 ms
Proof Pressure	1.5*FS
Burst Pressure	3*FS
Output signal	0-10V, 4-20mA
Power Supply	12 to 30VDC (0-10V Output); 10 to 30VDC (4-20mA Output)
Certification	IEC EN61326-1: 2013 IEC EN61326-2-3:2013
Electromagnetic compatibility (Applications)	IEC EN61326-1: For use in residential, commercial and light-industrial environments.
Wiring	DIN43650A 1m extension wire
Material	Metal part of housing: SS304 Pressure sensing component: SS316L Pressure sensing element damping: Brass H62 Non-metal part of housing: plastic (UL94-V0) Seal: EPDM (HSP-W1xxxx) FKM (HSP-W2xxxx & HSP-W4xxxx)

Definition



Order Information and Technical Specification

SKU	Accuracy	Pressure Range	Output Signal	Connection
HSP-W101MA	1%	0 to 1 Bar	4~20mA	G1/4 male
HSP-W103MA	1%	0 to 3 Bar	4~20mA	G1/4 male
HSP-W106MA	1%	0 to 6 Bar	4~20mA	G1/4 male
HSP-W110MA	1%	0 to 10 Bar	4~20mA	G1/4 male
HSP-W116MA	1%	0 to 16 Bar	4~20mA	G1/4 male
HSP-W120MA	1%	0 to 20 Bar	4~20mA	G1/4 male
HSP-W125MA	1%	0 to 25 Bar	4~20mA	G1/4 male
HSP-W140MA	1%	0 to 40 Bar	4~20mA	G1/4 male
HSP-W101MB	1%	0 to 1 Bar	4~20mA	1/4-18 NPT
HSP-W103MB	1%	0 to 3 Bar	4~20mA	1/4-18 NPT
HSP-W106MB	1%	0 to 6 Bar	4~20mA	1/4-18 NPT
HSP-W110MB	1%	0 to 10 Bar	4~20mA	1/4-18 NPT
HSP-W116MB	1%	0 to 16 Bar	4~20mA	1/4-18 NPT
HSP-W120MB	1%	0 to 20 Bar	4~20mA	1/4-18 NPT
HSP-W125MB	1%	0 to 25 Bar	4~20mA	1/4-18 NPT
HSP-W140MB	1%	0 to 40 Bar	4~20mA	1/4-18 NPT
HSP-W101VA	1%	0 to 1 Bar	0-10V	G1/4 male
HSP-W103VA	1%	0 to 3 Bar	0-10V	G1/4 male
HSP-W106VA	1%	0 to 6 Bar	0-10V	G1/4 male
HSP-W110VA	1%	0 to 10 Bar	0-10V	G1/4 male
HSP-W116VA	1%	0 to 16 Bar	0-10V	G1/4 male
HSP-W120VA	1%	0 to 20 Bar	0-10V	G1/4 male
HSP-W125VA	1%	0 to 25 Bar	0-10V	G1/4 male
HSP-W140VA	1%	0 to 40 Bar	0-10V	G1/4 male
HSP-W101VB	1%	0 to 1 Bar	0-10V	1/4-18 NPT
HSP-W103VB	1%	0 to 3 Bar	0-10V	1/4-18 NPT
HSP-W106VB	1%	0 to 6 Bar	0-10V	1/4-18 NPT
HSP-W110VB	1%	0 to 10 Bar	0-10V	1/4-18 NPT
HSP-W116VB	1%	0 to 16 Bar	0-10V	1/4-18 NPT
HSP-W120VB	1%	0 to 20 Bar	0-10V	1/4-18 NPT
HSP-W125VB	1%	0 to 25 Bar	0-10V	1/4-18 NPT
HSP-W140VB	1%	0 to 40 Bar	0-10V	1/4-18 NPT

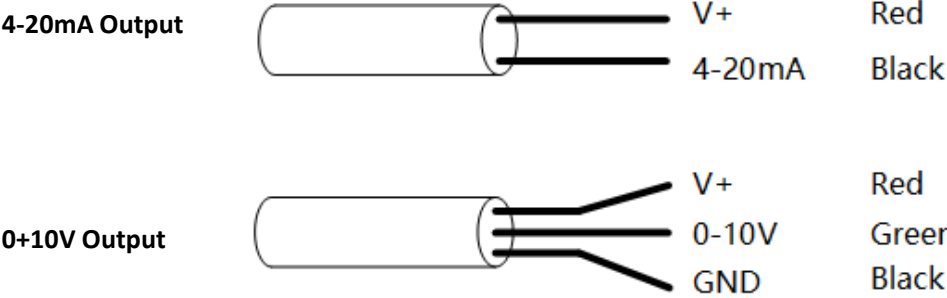
Order Information and Technical Specification

SKU	Accuracy	Pressure Range	Output Signal	Connection
HSP-W201MA	0.5%	0 to 1 Bar	4~20mA	G1/4 male
HSP-W203MA	0.5%	0 to 3 Bar	4~20mA	G1/4 male
HSP-W206MA	0.5%	0 to 6 Bar	4~20mA	G1/4 male
HSP-W210MA	0.5%	0 to 10 Bar	4~20mA	G1/4 male
HSP-W216MA	0.5%	0 to 16 Bar	4~20mA	G1/4 male
HSP-W220MA	0.5%	0 to 20 Bar	4~20mA	G1/4 male
HSP-W225MA	0.5%	0 to 25 Bar	4~20mA	G1/4 male
HSP-W240MA	0.5%	0 to 40 Bar	4~20mA	G1/4 male
HSP-W201MB	0.5%	0 to 1 Bar	4~20mA	1/4-18 NPT
HSP-W203MB	0.5%	0 to 3 Bar	4~20mA	1/4-18 NPT
HSP-W206MB	0.5%	0 to 6 Bar	4~20mA	1/4-18 NPT
HSP-W210MB	0.5%	0 to 10 Bar	4~20mA	1/4-18 NPT
HSP-W216MB	0.5%	0 to 16 Bar	4~20mA	1/4-18 NPT
HSP-W220MB	0.5%	0 to 20 Bar	4~20mA	1/4-18 NPT
HSP-W225MB	0.5%	0 to 25 Bar	4~20mA	1/4-18 NPT
HSP-W240MB	0.5%	0 to 40 Bar	4~20mA	1/4-18 NPT
HSP-W201VA	0.5%	0 to 1 Bar	0-10V	G1/4 male
HSP-W203VA	0.5%	0 to 3 Bar	0-10V	G1/4 male
HSP-W206VA	0.5%	0 to 6 Bar	0-10V	G1/4 male
HSP-W210VA	0.5%	0 to 10 Bar	0-10V	G1/4 male
HSP-W216VA	0.5%	0 to 16 Bar	0-10V	G1/4 male
HSP-W220VA	0.5%	0 to 20 Bar	0-10V	G1/4 male
HSP-W225VA	0.5%	0 to 25 Bar	0-10V	G1/4 male
HSP-W240VA	0.5%	0 to 40 Bar	0-10V	G1/4 male
HSP-W201VB	0.5%	0 to 1 Bar	0-10V	1/4-18 NPT
HSP-W203VB	0.5%	0 to 3 Bar	0-10V	1/4-18 NPT
HSP-W206VB	0.5%	0 to 6 Bar	0-10V	1/4-18 NPT
HSP-W210VB	0.5%	0 to 10 Bar	0-10V	1/4-18 NPT
HSP-W216VB	0.5%	0 to 16 Bar	0-10V	1/4-18 NPT
HSP-W220VB	0.5%	0 to 20 Bar	0-10V	1/4-18 NPT
HSP-W225VB	0.5%	0 to 25 Bar	0-10V	1/4-18 NPT
HSP-W240VB	0.5%	0 to 40 Bar	0-10V	1/4-18 NPT

Order Information and Technical Specification

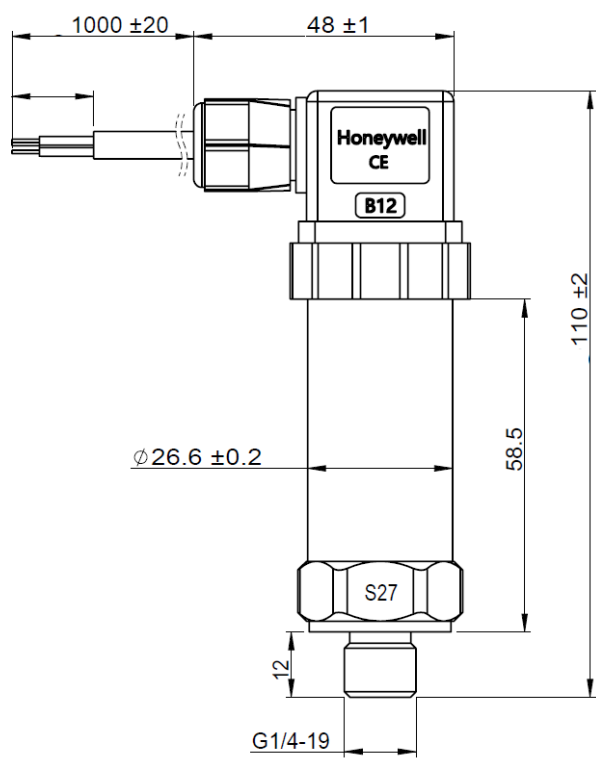
SKU	Accuracy	Pressure Range	Output Signal	Connection
HSP-W401MC	0.25%	0 to 1 Bar	4~20mA	G1/2 male
HSP-W403MC	0.25%	0 to 3 Bar	4~20mA	G1/2 male
HSP-W406MC	0.25%	0 to 6 Bar	4~20mA	G1/2 male
HSP-W410MC	0.25%	0 to 10 Bar	4~20mA	G1/2 male
HSP-W416MC	0.25%	0 to 16 Bar	4~20mA	G1/2 male
HSP-W420MC	0.25%	0 to 20 Bar	4~20mA	G1/2 male
HSP-W425MC	0.25%	0 to 25 Bar	4~20mA	G1/2 male
HSP-W440MC	0.25%	0 to 40 Bar	4~20mA	G1/2 male
HSP-W401VC	0.25%	0 to 1 Bar	0-10V	G1/2 male
HSP-W403VC	0.25%	0 to 3 Bar	0-10V	G1/2 male
HSP-W406VC	0.25%	0 to 6 Bar	0-10V	G1/2 male
HSP-W410VC	0.25%	0 to 10 Bar	0-10V	G1/2 male
HSP-W416VC	0.25%	0 to 16 Bar	0-10V	G1/2 male
HSP-W420VC	0.25%	0 to 20 Bar	0-10V	G1/2 male
HSP-W425VC	0.25%	0 to 25 Bar	0-10V	G1/2 male
HSP-W440VC	0.25%	0 to 40 Bar	0-10V	G1/2 male

Wiring

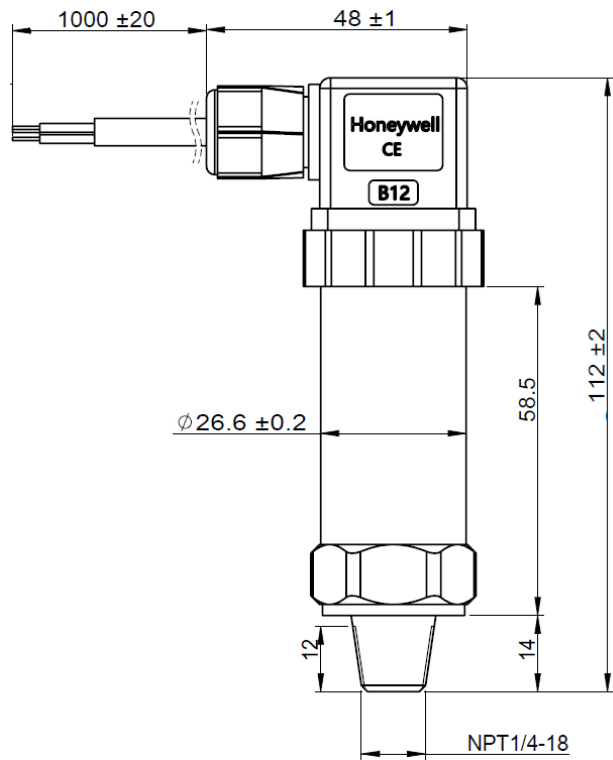


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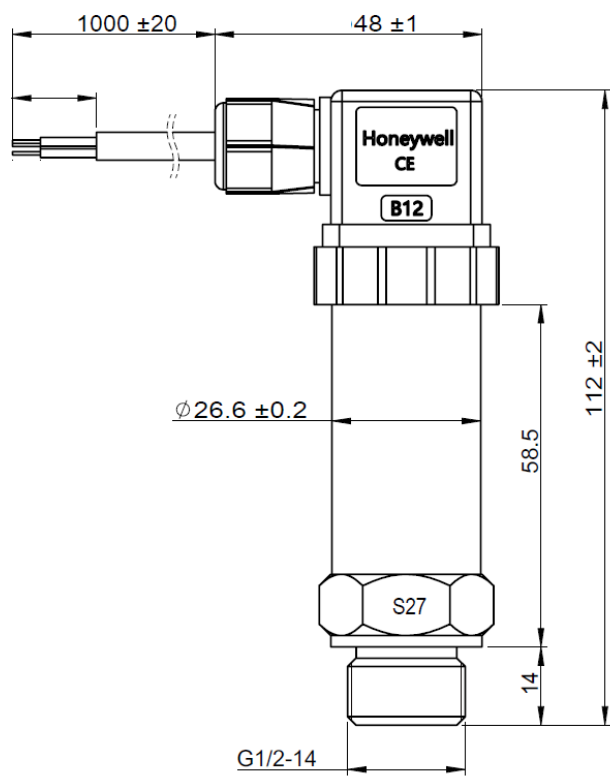
Dimension (mm)



Connection Type =A: G1/4



Connection Type=B: 1/4-18NPT



Connection Type =C: G1/2



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