

## SS114 Series Flush Diaphragm Pressure Sensor

### Applications

- 1,Industrial process control
- 2,Liquid pressure system and switch
- 3,Pressure inspection meter    4,Pressure calibrator
- 5,Level measurement    6,Gas, liquid pressure measurement
- 7,Cooling equipment and air conditioner    8,Aviation and navigation inspection



### Features

- 1,Constant power supply
- 2,High accuracy, high reliability
- 3,Absolute, gauge pressure is optional
- 4,Wider temperature compensation range
- 5,Isolated construction, able to test various media

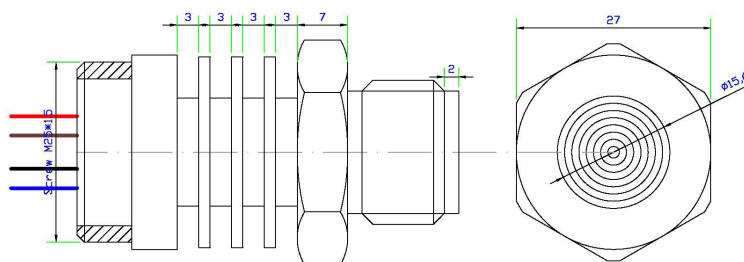
### Parameters

|                           |                                      |
|---------------------------|--------------------------------------|
| Power Supply              | 1.5mADC   5VDC                       |
| Span Output               | 100±20mV                             |
| Zero Output               | ±2mV                                 |
| Accuracy                  | 0.25%F.S.   0.5%F.S.                 |
| Measuring Range(Absolute) | 0~600KPa...100MPa                    |
| Measuring Range(Gauge)    | -100KPa~0~100KPa...4MPa              |
| Overload                  | 2.0*F.S.( <25MPa); 1.5*F.S.( ≥25MPa) |
| Temperature Compensation  | 0~80°C                               |
| Operating Temperature     | -20~125°C   -20~150°C                |
| Zero Thermal Error        | ±0.02%F.S./°C                        |
| Input Impedance           | 2.3KΩ~4KΩ                            |

### Constructions

|                       |                                                 |
|-----------------------|-------------------------------------------------|
| Pressure Connection   | G1/2   M20*1.5   G1                             |
| Diaphragm             | Stainless steel 316L                            |
| Housing               | Stainless steel                                 |
| Filling Liquid        | Silicone oil   Olive oil                        |
| Electrical Connection | Kovar pins   10cm silicon rubber flexible wires |
| Diameter              |                                                 |
| Height                |                                                 |
| Weight                |                                                 |

## Drawings



Sendo Sensor|SS114 Series

## Electrical Connections

| Color    | Red      | Black    | White    | Blue     |
|----------|----------|----------|----------|----------|
| Function | Supply + | Supply - | Output + | Output - |

## Ordering Informations

EXAMPLE: **SS114 01 C 01 B 01 A 01 A**

|                                                                                                                                                                                                                            |           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| <b>Accuracy</b>                                                                                                                                                                                                            | <b>01</b> |
| <b>01</b> 0.25% <b>02</b> 0.5% <b>03</b> 1.0% <b>04</b> Other                                                                                                                                                              |           |
| <b>Pressure Range</b>                                                                                                                                                                                                      | <b>C</b>  |
| <b>A</b> -100KPa <b>B</b> 100KPa <b>C</b> 250KPa <b>D</b> 600KPa <b>E</b> 1MPa <b>F</b> 1.6MPa <b>G</b> 2.5MPa<br><b>H</b> 4MPa <b>I</b> 10MPa <b>J</b> 16MPa <b>K</b> 25MPa <b>L</b> 60MPa <b>M</b> 100MPa <b>N</b> Other |           |
| <b>Pressure Type</b>                                                                                                                                                                                                       | <b>01</b> |
| <b>01</b> Gauge <b>02</b> Absolute <b>03</b> Other                                                                                                                                                                         |           |
| <b>Electrical Connection</b>                                                                                                                                                                                               | <b>B</b>  |
| <b>A</b> 4Kovar Pins <b>B</b> 4Wires <b>C</b> 5Kovar Pins <b>D</b> 5Wires                                                                                                                                                  |           |
| <b>Pressure Connection</b>                                                                                                                                                                                                 | <b>01</b> |
| <b>01</b> G1/2 <b>02</b> G1 <b>03</b> M20*1.5 <b>04</b> Other                                                                                                                                                              |           |
| <b>Power Supply</b>                                                                                                                                                                                                        | <b>A</b>  |
| <b>A</b> 1.5mADC <b>B</b> 5VDC <b>C</b> 10VDC <b>D</b> Other                                                                                                                                                               |           |
| <b>Operating Temperature</b>                                                                                                                                                                                               | <b>01</b> |
| <b>01</b> 125°C <b>02</b> 150°C <b>03</b> 200°C <b>04</b> Other                                                                                                                                                            |           |
| <b>External Thread</b>                                                                                                                                                                                                     | <b>A</b>  |
| <b>A</b> M25*1.5 <b>B</b> Other                                                                                                                                                                                            |           |
| <b>Special Requirement</b>                                                                                                                                                                                                 | <b>Z</b>  |

## Contact Informations

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