



**THE DATASHEET OF  
HSCSNBD004MDAA5**



# TruStability® Board Mount Pressure Sensors HSC Series Product Nomenclature



For example, **HSCDNNN150PGAA3** defines an HSC Series TruStability® Pressure Sensor, DIP package, NN pressure port, no special options, 150 psi gage pressure range, analog output type, 10% to 90% of Vsupply transfer function, 3.3 Vdc supply voltage.

### Product Series

**HSC** High Accuracy, Compensated/Amplified

### Package

**D** DIP (Dual Inline Pin)  
**M** SMT (Surface Mount Technology)  
**S** SIP (Single Inline Pin)

### Pressure Port

DIP	SMT	SIP
<b>NN</b> No ports	<b>NN</b> No ports	<b>NN</b> No ports
—	—	<b>AA</b> Dual axial barbed ports, opposite sides
<b>AN</b> Single axial barbed port	<b>AN</b> Single axial barbed port	<b>AN</b> Single axial barbed port
<b>LN</b> Single axial barbless port	<b>LN</b> Single axial barbless port	<b>LN</b> Single axial barbless port
—	—	<b>FF</b> Fastener mount, dual axial barbed ports, opposite sides
—	—	<b>FN</b> Fastener mount, single axial barbed port
—	—	<b>GN</b> Ribbed fastener mount, single axial barbed port
—	—	<b>NB</b> Fastener mount, dual axial ports, same side
<b>RN</b> Single radial barbed port	<b>RN</b> Single radial barbed port	<b>RN</b> Single radial barbed port
<b>RR</b> Dual radial barbed ports, same side	<b>RR</b> Dual radial barbed ports, same side	<b>RR</b> Dual radial barbed ports, same side
<b>DR</b> Dual radial barbed ports, opposite sides	<b>DR</b> Dual radial barbed ports, opposite sides	<b>DR</b> Dual radial barbed ports, opposite sides
<b>JN</b> Single radial barbless port	<b>JN</b> Single radial barbless port	<b>JN</b> Single radial barbless port
<b>JJ</b> Dual radial barbless ports, same side	<b>JJ</b> Dual radial barbless ports, same side	<b>JJ</b> Dual radial barbless ports, same side
—	—	<b>HH</b> Fastener mount, dual radial barbed ports, same side
—	—	<b>HN</b> Fastener mount, single radial barbed port
—	—	<b>MN</b> Manifold mount, outer diameter seal
—	—	<b>SN</b> Manifold mount, inner diameter seal

### Options<sup>5, 6</sup>

**N** Dry gases only, no diagnostics  
**D** Dry gases only, diagnostics on  
**T** Liquid media on Port 1, no diagnostics  
**V** Liquid media on Port 1, diagnostics on

### Supply Voltage

<b>3</b>	3.3 Vdc
<b>5</b>	5.0 Vdc

### Transfer Function<sup>1</sup>

<b>A</b>	10% to 90% of Vsupply (analog), 2 <sup>14</sup> counts (digital)
<b>B</b>	5% to 95% of Vsupply (analog), 2 <sup>14</sup> counts (digital)
<b>C</b>	5% to 85% of Vsupply (analog), 2 <sup>14</sup> counts (digital)
<b>F</b>	4% to 94% of Vsupply (analog), 2 <sup>14</sup> counts (digital)

### Output Type<sup>2</sup>

<b>A</b>	Analog	<b>4</b>	I <sup>2</sup> C, Address 0x48
<b>S</b>	SPI	<b>5</b>	I <sup>2</sup> C, Address 0x58
<b>2</b>	I <sup>2</sup> C, Address 0x28	<b>6</b>	I <sup>2</sup> C, Address 0x68
<b>3</b>	I <sup>2</sup> C, Address 0x38	<b>7</b>	I <sup>2</sup> C, Address 0x78

### Pressure Range<sup>3, 4</sup>

±1.6 mbar to ±10 bar <i>Absolute</i>		±160 Pa to ±1 MPa <i>Absolute</i>		±0.5 inH <sub>2</sub> O to ±150 psi <i>Absolute</i>	
<b>001BA</b>	0 bar to 1 bar	<b>100KA</b>	0 kPa to 100 kPa	<b>015PA</b>	0 psi to 15 psi
<b>1.6BA</b>	0 bar to 1.6 bar	<b>160KA</b>	0 kPa to 160 kPa	<b>030PA</b>	0 psi to 30 psi
<b>2.5BA</b>	0 bar to 2.5 bar	<b>250KA</b>	0 kPa to 250 kPa	<b>060PA</b>	0 psi to 60 psi
<b>004BA</b>	0 bar to 4 bar	<b>400KA</b>	0 kPa to 400 kPa	<b>100PA</b>	0 psi to 100 psi
<b>006BA</b>	0 bar to 6 bar	<b>600KA</b>	0 kPa to 600 kPa	<b>150PA</b>	0 psi to 150 psi
<b>010BA</b>	0 bar to 10 bar	<b>001GA</b>	0 kPa to 1 MPa		
<i>Differential</i>		<i>Differential</i>		<i>Differential</i>	
<b>1.6MD</b>	±1.6 mbar	<b>160LD</b>	±160 Pa	<b>0.5ND</b>	±0.5 inH <sub>2</sub> O
<b>2.5MD</b>	±2.5 mbar	<b>250LD</b>	±250 Pa	<b>001ND</b>	±1 inH <sub>2</sub> O
<b>004MD</b>	±4 mbar	<b>400LD</b>	±400 Pa	<b>002ND</b>	±2 inH <sub>2</sub> O
<b>006MD</b>	±6 mbar	<b>600LD</b>	±600 Pa	<b>004ND</b>	±4 inH <sub>2</sub> O
<b>010MD</b>	±10 mbar	<b>001KD</b>	±1 kPa	<b>005ND</b>	±5 inH <sub>2</sub> O
<b>016MD</b>	±16 mbar	<b>1.6KD</b>	±1.6 kPa	<b>010ND</b>	±10 inH <sub>2</sub> O
<b>025MD</b>	±25 mbar	<b>2.5KD</b>	±2.5 kPa	<b>020ND</b>	±20 inH <sub>2</sub> O
<b>040MD</b>	±40 mbar	<b>004KD</b>	±4 kPa	<b>030ND</b>	±30 inH <sub>2</sub> O
<b>060MD</b>	±60 mbar	<b>006KD</b>	±6 kPa	<b>001PD</b>	±1 psi
<b>100MD</b>	±100 mbar	<b>010KD</b>	±10 kPa	<b>005PD</b>	±5 psi
<b>160MD</b>	±160 mbar	<b>016KD</b>	±16 kPa	<b>015PD</b>	±15 psi
<b>250MD</b>	±250 mbar	<b>025KD</b>	±25 kPa	<b>030PD</b>	±30 psi
<b>400MD</b>	±400 mbar	<b>040KD</b>	±40 kPa	<b>060PD</b>	±60 psi
<b>600MD</b>	±600 mbar	<b>060KD</b>	±60 kPa		
<i>Gage</i>		<i>Gage</i>		<i>Gage</i>	
<b>2.5MG</b>	0 mbar to 2.5 mbar	<b>250LG</b>	0 Pa to 250 Pa	<b>001NG</b>	0 inH <sub>2</sub> O to 1 inH <sub>2</sub> O
<b>004MG</b>	0 mbar to 4 mbar	<b>400LG</b>	0 Pa to 400 Pa	<b>002NG</b>	0 inH <sub>2</sub> O to 2 inH <sub>2</sub> O
<b>006MG</b>	0 mbar to 6 mbar	<b>600LG</b>	0 Pa to 600 Pa	<b>004NG</b>	0 inH <sub>2</sub> O to 4 inH <sub>2</sub> O
<b>010MG</b>	0 mbar to 10 mbar	<b>001KG</b>	0 kPa to 1 kPa	<b>005NG</b>	0 inH <sub>2</sub> O to 5 inH <sub>2</sub> O
<b>016MG</b>	0 mbar to 16 mbar	<b>1.6KG</b>	0 kPa to 1.6 kPa	<b>010NG</b>	0 inH <sub>2</sub> O to 10 inH <sub>2</sub> O
<b>025MG</b>	0 mbar to 25 mbar	<b>2.5KG</b>	0 kPa to 2.5 kPa	<b>020NG</b>	0 inH <sub>2</sub> O to 20 inH <sub>2</sub> O
<b>040MG</b>	0 mbar to 40 mbar	<b>004KG</b>	0 kPa to 4 kPa	<b>030NG</b>	0 inH <sub>2</sub> O to 30 inH <sub>2</sub> O
<b>060MG</b>	0 mbar to 60 mbar	<b>006KG</b>	0 kPa to 6 kPa	<b>001PG</b>	0 psi to 1 psi
<b>100MG</b>	0 mbar to 100 mbar	<b>010KG</b>	0 kPa to 10 kPa	<b>005PG</b>	0 psi to 5 psi
<b>160MG</b>	0 mbar to 160 mbar	<b>016KG</b>	0 kPa to 16 kPa	<b>015PG</b>	0 psi to 15 psi
<b>250MG</b>	0 mbar to 250 mbar	<b>025KG</b>	0 kPa to 25 kPa	<b>030PG</b>	0 psi to 30 psi
<b>400MG</b>	0 bar to 400 mbar	<b>040KG</b>	0 kPa to 40 kPa	<b>060PG</b>	0 psi to 60 psi
<b>600MG</b>	0 bar to 600 mbar	<b>060KG</b>	0 kPa to 60 kPa	<b>100PG</b>	0 psi to 100 psi
<b>001BG</b>	0 bar to 1 bar	<b>100KG</b>	0 kPa to 100 kPa	<b>150PG</b>	0 psi to 150 psi
<b>1.6BG</b>	0 bar to 1.6 bar	<b>160KG</b>	0 kPa to 160 kPa		
<b>2.5BG</b>	0 bar to 2.5 bar	<b>250KG</b>	0 kPa to 250 kPa		
<b>004BG</b>	0 bar to 4 bar	<b>400KG</b>	0 kPa to 400 kPa		
<b>006BG</b>	0 bar to 6 bar	<b>600KG</b>	0 kPa to 600 kPa		
<b>010BG</b>	0 bar to 10 bar	<b>001GG</b>	0 kPa to 1 MPa		

<sup>1</sup>The transfer function limits define the output of the sensor at a given pressure input. By specifying Pmin. and Pmax., the output at Pmin. and Pmax., the complete transfer function of the sensor is defined. See the graphical representations of the transfer function in the product datasheet, Figure 2. For other available transfer functions contact Honeywell Customer Service.  
<sup>2</sup>SPI output function is not available in SIP package.  
<sup>3</sup>Custom pressure ranges are available. Contact Honeywell Customer Service for more information.  
<sup>4</sup>See the explanation of sensor pressure types in the product datasheet, Table 4.  
<sup>5</sup>See the CAUTION in the product datasheet.  
<sup>6</sup>Options T and V are only available on pressure ranges ±60 mbar to ±10 bar | ±6 kPa to ±1 MPa | ±1 psi to ±150 psi.

# TruStability® Board Mount Pressure Sensors SSC Series Product Nomenclature



For example, **SSCDNNN150PGA A 3** defines an SSC Series TruStability® Pressure Sensor, DIP package, NN pressure port, no special options, 150 psi gage pressure range, analog output type, 10% to 90% of Vsupply transfer function, 3.3 Vdc supply voltage.

**SSC D N N N 1 5 0 P G A A 3**

### Product Series

**SSC** Standard Accuracy, Compensated/Amplified

### Package

**D** DIP (Dual Inline Pin)  
**M** SMT (Surface Mount Technology)  
**S** SIP (Single Inline Pin)

### Pressure Port

DIP	SMT	SIP
<b>NN</b> No ports	<b>NN</b> No ports	<b>NN</b> No ports
<b>AN</b> Single axial barbed port	<b>AN</b> Single axial barbed port	<b>AN</b> Single axial barbed port
<b>LN</b> Single axial barbless port	<b>LN</b> Single axial barbless port	<b>LN</b> Single axial barbless port
—	—	<b>AA</b> Dual axial barbed ports, opposite sides
—	—	<b>FF</b> Fastener mount, dual axial barbed ports, opposite sides
—	—	<b>FN</b> Fastener mount, single axial barbed port
—	—	<b>GN</b> Ribbed fastener mount, single axial barbed port
—	—	<b>NB</b> Fastener mount, dual axial ports, same side
<b>RN</b> Single radial barbed port	<b>RN</b> Single radial barbed port	<b>RN</b> Single radial barbed port
<b>RR</b> Dual radial barbed ports, same side	<b>RR</b> Dual radial barbed ports, same side	<b>RR</b> Dual radial barbed ports, same side
<b>DR</b> Dual radial barbed ports, opposite sides	<b>DR</b> Dual radial barbed ports, opposite sides	<b>DR</b> Dual radial barbed ports, opposite sides
<b>JN</b> Single radial barbless port	<b>JN</b> Single radial barbless port	<b>JN</b> Single radial barbless port
<b>JJ</b> Dual radial barbless ports, same side	<b>JJ</b> Dual radial barbless ports, same side	<b>JJ</b> Dual radial barbless ports, same side
—	—	<b>HH</b> Fastener mount, dual radial barbed ports, same side
—	—	<b>HN</b> Fastener mount, single radial barbed port
—	—	<b>MN</b> Manifold mount, outer diameter seal
—	—	<b>SN</b> Manifold mount, inner diameter seal

### Supply Voltage

**3** 3.3 Vdc  
**5** 5.0 Vdc

### Transfer Function<sup>1</sup>

**A** 10% to 90% of Vsupply (analog), 2<sup>14</sup> counts (digital)  
**B** 5% to 95% of Vsupply (analog), 2<sup>14</sup> counts (digital)  
**C** 5% to 85% of Vsupply (analog), 2<sup>14</sup> counts (digital)  
**F** 4% to 94% of Vsupply (analog), 2<sup>14</sup> counts (digital)

### Output Type<sup>2</sup>

**A** Analog  
**S** SPI  
**2** I<sup>2</sup>C, Address 0x28  
**3** I<sup>2</sup>C, Address 0x38

**4** I<sup>2</sup>C, Address 0x48  
**5** I<sup>2</sup>C, Address 0x58  
**6** I<sup>2</sup>C, Address 0x68  
**7** I<sup>2</sup>C, Address 0x78

### Pressure Range<sup>3, 4</sup>

±1.6 mbar to ±10 bar		±160 Pa to ±1 MPa		±0.5 inH <sub>2</sub> O to ±150 psi	
<i>Absolute</i>		<i>Absolute</i>		<i>Absolute</i>	
<b>001BA</b> 0 bar to 1 bar	<b>100KA</b> 0 kPa to 100 kPa	<b>015PA</b> 0 psi to 15 psi			
<b>1.6BA</b> 0 bar to 1.6 bar	<b>160KA</b> 0 kPa to 160 kPa	<b>030PA</b> 0 psi to 30 psi			
<b>2.5BA</b> 0 bar to 2.5 bar	<b>250KA</b> 0 kPa to 250 kPa	<b>060PA</b> 0 psi to 60 psi			
<b>004BA</b> 0 bar to 4 bar	<b>400KA</b> 0 kPa to 400 kPa	<b>100PA</b> 0 psi to 100 psi			
<b>006BA</b> 0 bar to 6 bar	<b>600KA</b> 0 kPa to 600 kPa	<b>150PA</b> 0 psi to 150 psi			
<b>010BA</b> 0 bar to 10 bar	<b>001GA</b> 0 kPa to 1 MPa				
<i>Differential</i>		<i>Differential</i>		<i>Differential</i>	
<b>1.6MD</b> ±1.6 mbar	<b>160LD</b> ±160 Pa	<b>0.5ND</b> ±0.5 inH <sub>2</sub> O			
<b>2.5MD</b> ±2.5 mbar	<b>250LD</b> ±250 Pa	<b>001ND</b> ±1 inH <sub>2</sub> O			
<b>004MD</b> ±4 mbar	<b>400LD</b> ±400 Pa	<b>002ND</b> ±2 inH <sub>2</sub> O			
<b>006MD</b> ±6 mbar	<b>600LD</b> ±600 Pa	<b>004ND</b> ±4 inH <sub>2</sub> O			
<b>010MD</b> ±10 mbar	<b>001KD</b> ±1 kPa	<b>005ND</b> ±5 inH <sub>2</sub> O			
<b>016MD</b> ±16 mbar	<b>1.6KD</b> ±1.6 kPa	<b>010ND</b> ±10 inH <sub>2</sub> O			
<b>025MD</b> ±25 mbar	<b>2.5KD</b> ±2.5 kPa	<b>020ND</b> ±20 inH <sub>2</sub> O			
<b>040MD</b> ±40 mbar	<b>004KD</b> ±4 kPa	<b>030ND</b> ±30 inH <sub>2</sub> O			
<b>060MD</b> ±60 mbar	<b>006KD</b> ±6 kPa	<b>001PD</b> ±1 psi			
<b>100MD</b> ±100 mbar	<b>010KD</b> ±10 kPa	<b>005PD</b> ±5 psi			
<b>160MD</b> ±160 mbar	<b>016KD</b> ±16 kPa	<b>015PD</b> ±15 psi			
<b>250MD</b> ±250 mbar	<b>025KD</b> ±25 kPa	<b>030PD</b> ±30 psi			
<b>400MD</b> ±400 mbar	<b>040KD</b> ±40 kPa	<b>060PD</b> ±60 psi			
<b>600MD</b> ±600 mbar	<b>060KD</b> ±60 kPa				
<i>Gage</i>		<i>Gage</i>		<i>Gage</i>	
<b>2.5MG</b> 0 mbar to 2.5 mbar	<b>250LG</b> 0 Pa to 250 Pa	<b>001NG</b> 0 inH <sub>2</sub> O to 1 inH <sub>2</sub> O			
<b>004MG</b> 0 mbar to 4 mbar	<b>400LG</b> 0 Pa to 400 Pa	<b>002NG</b> 0 inH <sub>2</sub> O to 2 inH <sub>2</sub> O			
<b>006MG</b> 0 mbar to 6 mbar	<b>600LG</b> 0 Pa to 600 Pa	<b>004NG</b> 0 inH <sub>2</sub> O to 4 inH <sub>2</sub> O			
<b>010MG</b> 0 mbar to 10 mbar	<b>001KG</b> 0 kPa to 1 kPa	<b>005NG</b> 0 inH <sub>2</sub> O to 5 inH <sub>2</sub> O			
<b>016MG</b> 0 mbar to 16 mbar	<b>1.6KG</b> 0 kPa to 1.6 kPa	<b>010NG</b> 0 inH <sub>2</sub> O to 10 inH <sub>2</sub> O			
<b>025MG</b> 0 mbar to 25 mbar	<b>2.5KG</b> 0 kPa to 2.5 kPa	<b>020NG</b> 0 inH <sub>2</sub> O to 20 inH <sub>2</sub> O			
<b>040MG</b> 0 mbar to 40 mbar	<b>004KG</b> 0 kPa to 4 kPa	<b>030NG</b> 0 inH <sub>2</sub> O to 30 inH <sub>2</sub> O			
<b>060MG</b> 0 mbar to 60 mbar	<b>006KG</b> 0 kPa to 6 kPa	<b>001PG</b> 0 psi to 1 psi			
<b>100MG</b> 0 mbar to 100 mbar	<b>010KG</b> 0 kPa to 10 kPa	<b>005PG</b> 0 psi to 5 psi			
<b>160MG</b> 0 mbar to 160 mbar	<b>016KG</b> 0 kPa to 16 kPa	<b>015PG</b> 0 psi to 15 psi			
<b>250MG</b> 0 mbar to 250 mbar	<b>025KG</b> 0 kPa to 25 kPa	<b>030PG</b> 0 psi to 30 psi			
<b>400MG</b> 0 bar to 400 mbar	<b>040KG</b> 0 kPa to 40 kPa	<b>060PG</b> 0 psi to 60 psi			
<b>600MG</b> 0 bar to 600 mbar	<b>060KG</b> 0 kPa to 60 kPa	<b>100PG</b> 0 psi to 100 psi			
<b>001BG</b> 0 bar to 1 bar	<b>100KG</b> 0 kPa to 100 kPa	<b>150PG</b> 0 psi to 150 psi			
<b>1.6BG</b> 0 bar to 1.6 bar	<b>160KG</b> 0 kPa to 160 kPa				
<b>2.5BG</b> 0 bar to 2.5 bar	<b>250KG</b> 0 kPa to 250 kPa				
<b>004BG</b> 0 bar to 4 bar	<b>400KG</b> 0 kPa to 400 kPa				
<b>006BG</b> 0 bar to 6 bar	<b>600KG</b> 0 kPa to 600 kPa				
<b>010BG</b> 0 bar to 10 bar	<b>001GG</b> 0 kPa to 1 MPa				

### Options<sup>5, 6</sup>

<b>N</b> Dry gases only, no diagnostics
<b>D</b> Dry gases only, diagnostics on
<b>T</b> Liquid media on Port 1, no diagnostics
<b>V</b> Liquid media on Port 1, diagnostics on

<sup>1</sup>The transfer function limits define the output of the sensor at a given pressure input. By specifying Pmin. and Pmax., the output at Pmin. and Pmax., the complete transfer function of the sensor is defined. See the graphical representations of the transfer function in the product datasheet, Figure 2. For other available transfer functions contact Honeywell Customer Service.  
<sup>2</sup>SPI output function is not available in SIP package.  
<sup>3</sup>Custom pressure ranges are available. Contact Honeywell Customer Service for more information.  
<sup>4</sup>See the explanation of sensor pressure types in the product datasheet, Table 4.  
<sup>5</sup>See the CAUTION in the product datasheet.  
<sup>6</sup>Options T and V are only available on pressure ranges ±60 mbar to ±10 bar | ±6 kPa to ±1 MPa | ±1 psi to ±150 psi.

# TruStability® Board Mount Pressure Sensors TSC Series Product Nomenclature



For example, **TSCDNNN150PGUCV** defines a TSC Series TruStability® Pressure Sensor, DIP package, NN pressure port, no special options, 150 psi gage pressure range, unamplified, compensated, constant supply voltage.

**T S C D N N N 1 5 0 P G U C V**

## Series

**TSC** Compensated/Unamplified

## Supply Voltage

**V** Constant

## Package

- D** DIP (Dual Inline Pin)
- M** SMT (Surface Mount Technology)
- S** SIP (Single Inline Pin)

## Compensation

**C** Compensated

## Output Type

**U** Unamplified

## Pressure Port

DIP		SMT		SIP	
<b>NN</b> No ports	<b>NN</b> No ports	<b>NN</b> No ports	<b>AA</b> Dual axial barbed ports, opposite sides	<b>AN</b> Single axial barbed port	<b>LN</b> Single axial barbless port
—	—	<b>FF</b> Fastener mount, dual axial barbed ports, opposite sides	<b>FN</b> Fastener mount, single axial barbed port	<b>GN</b> Ribbed fastener mount, single axial barbed port	<b>NB</b> Fastener mount, dual axial ports, same side
<b>AN</b> Single axial barbed port	<b>AN</b> Single axial barbed port	<b>RN</b> Single radial barbed port	<b>RR</b> Dual radial barbed ports, same side	<b>DR</b> Dual radial barbed ports, opposite sides	<b>JN</b> Single radial barbless port
<b>LN</b> Single axial barbless port	<b>LN</b> Single axial barbless port	<b>RR</b> Dual radial barbed ports, same side	<b>DR</b> Dual radial barbed ports, opposite sides	<b>JJ</b> Dual radial barbless ports, same side	<b>HH</b> Fastener mount, dual radial barbed ports, same side
—	—	<b>DR</b> Dual radial barbed ports, opposite sides	<b>JN</b> Single radial barbless port	<b>HN</b> Fastener mount, single radial barbed port	<b>MN</b> Manifold mount, outer diameter seal
—	—	<b>JN</b> Single radial barbless port	<b>JJ</b> Dual radial barbless ports, same side	<b>SN</b> Manifold mount, inner diameter seal	
<b>RN</b> Single radial barbed port	<b>RN</b> Single radial barbed port				
<b>RR</b> Dual radial barbed ports, same side	<b>RR</b> Dual radial barbed ports, same side				
<b>DR</b> Dual radial barbed ports, opposite sides	<b>DR</b> Dual radial barbed ports, opposite sides				
<b>JN</b> Single radial barbless port	<b>JN</b> Single radial barbless port				
<b>JJ</b> Dual radial barbless ports, same side	<b>JJ</b> Dual radial barbless ports, same side				

## Pressure Range

60 mbar to 10 bar		6 kPa to 1 MPa		1 psi to 150 psi	
<i>Differential</i>		<i>Differential</i>		<i>Differential</i>	
<b>060MD</b> ±60 mbar	<b>006KD</b> ±6 kPa	<b>001PD</b> ±1 psi			
<b>100MD</b> ±100 mbar	<b>010KD</b> ±10 kPa	<b>005PD</b> ±5 psi			
<b>160MD</b> ±160 mbar	<b>016KD</b> ±16 kPa	<b>015PD</b> ±15 psi			
<b>250MD</b> ±250 mbar	<b>025KD</b> ±25 kPa	<b>030PD</b> ±30 psi			
<b>400MD</b> ±400 mbar	<b>040KD</b> ±40 kPa	<b>060PD</b> ±60 psi			
<b>600MD</b> ±600 mbar	<b>060KD</b> ±60 kPa	<b>100PD</b> ±100 psi			
<b>001BD</b> ±1 bar	<b>100KD</b> ±100 kPa	<b>150PD</b> ±150 psi			
<b>1.6BD</b> ±1.6 bar	<b>160KD</b> ±160 kPa				
<b>2.5BD</b> ±2.5 bar	<b>250KD</b> ±250 kPa				
<b>004BD</b> ±4 bar	<b>400KD</b> ±400 kPa				
<b>006BD</b> ±6 bar	<b>600KD</b> ±600 kPa				
<b>010BD</b> ±10 bar	<b>001GD</b> ±1 MPa				
<i>Gage</i>		<i>Gage</i>		<i>Gage</i>	
<b>060MG</b> 0 mbar to 60 mbar	<b>006KG</b> 0 kPa to 6 kPa	<b>001PG</b> 0 psi to 1 psi			
<b>100MG</b> 0 mbar to 100 mbar	<b>010KG</b> 0 kPa to 10 kPa	<b>005PG</b> 0 psi to 5 psi			
<b>160MG</b> 0 mbar to 160 mbar	<b>016KG</b> 0 kPa to 16 kPa	<b>015PG</b> 0 psi to 15 psi			
<b>250MG</b> 0 mbar to 250 mbar	<b>025KG</b> 0 kPa to 25 kPa	<b>030PG</b> 0 psi to 30 psi			
<b>400MG</b> 0 bar to 400 mbar	<b>040KG</b> 0 kPa to 40 kPa	<b>060PG</b> 0 psi to 60 psi			
<b>600MG</b> 0 bar to 600 mbar	<b>060KG</b> 0 kPa to 60 kPa	<b>100PG</b> 0 psi to 100 psi			
<b>001BG</b> 0 bar to 1 bar	<b>100KG</b> 0 kPa to 100 kPa	<b>150PG</b> 0 psi to 150 psi			
<b>1.6BG</b> 0 bar to 1.6 bar	<b>160KG</b> 0 kPa to 160 kPa				
<b>2.5BG</b> 0 bar to 2.5 bar	<b>250KG</b> 0 kPa to 250 kPa				
<b>004BG</b> 0 bar to 4 bar	<b>400KG</b> 0 kPa to 400 kPa				
<b>006BG</b> 0 bar to 6 bar	<b>600KG</b> 0 kPa to 600 kPa				
<b>010BG</b> 0 bar to 10 bar	<b>001GG</b> 0 kPa to 1 MPa				

## Options

**N** No special options

# TruStability® Board Mount Pressure Sensors

## NSC Series Product Nomenclature



For example, **NSCDNNN150PGUNV** defines an NSC Series TruStability® Pressure Sensor, DIP package, NN pressure port, no special options, 150 psi gage pressure range, unamplified, uncompensated, constant supply voltage.

**Series**

**NSC** Uncompensated/Unamplified

**Package**

**D** DIP (Dual Inline Pin)

**M** SMT (Surface Mount Technology)

**S** SIP (Single Inline Pin)

**Pressure Port**

DIP		SMT		SIP	
<b>NN</b> No ports	<b>NN</b> No ports	<b>NN</b> No ports	<b>AA</b> Dual axial barbed ports, opposite sides	<b>AN</b> Single axial barbed port	<b>AN</b> Single axial barbed port
<b>AN</b> Single axial barbed port	<b>AN</b> Single axial barbed port	<b>AN</b> Single axial barbed port	<b>LN</b> Single axial barbless port	<b>LN</b> Single axial barbless port	<b>FF</b> Fastener mount, dual axial barbed ports, opposite sides
<b>LN</b> Single axial barbless port	<b>LN</b> Single axial barbless port	<b>LN</b> Single axial barbless port	<b>FN</b> Fastener mount, single axial barbed port	<b>FN</b> Fastener mount, single axial barbed port	<b>GN</b> Ribbed fastener mount, single axial barbed port
<b>RR</b> Dual radial barbed ports, same side	<b>RR</b> Dual radial barbed ports, same side	<b>RR</b> Dual radial barbed ports, same side	<b>NB</b> Fastener mount, dual axial ports, same side	<b>NB</b> Fastener mount, dual axial ports, same side	<b>RN</b> Single radial barbed port
<b>RR</b> Dual radial barbed ports, opposite sides	<b>RR</b> Dual radial barbed ports, opposite sides	<b>RR</b> Dual radial barbed ports, opposite sides	<b>RN</b> Single radial barbed port	<b>RN</b> Single radial barbed port	<b>RR</b> Dual radial barbed ports, same side
<b>DR</b> Dual radial barbed ports, opposite sides	<b>DR</b> Dual radial barbed ports, opposite sides	<b>DR</b> Dual radial barbed ports, opposite sides	<b>RR</b> Dual radial barbed ports, same side	<b>RR</b> Dual radial barbed ports, same side	<b>DR</b> Dual radial barbed ports, opposite sides
<b>JN</b> Single radial barbless port	<b>JN</b> Single radial barbless port	<b>JN</b> Single radial barbless port	<b>DR</b> Dual radial barbed ports, opposite sides	<b>DR</b> Dual radial barbed ports, opposite sides	<b>JN</b> Single radial barbless port
<b>JJ</b> Dual radial barbless ports, same side	<b>JJ</b> Dual radial barbless ports, same side	<b>JJ</b> Dual radial barbless ports, same side	<b>JN</b> Single radial barbless port	<b>JN</b> Single radial barbless port	<b>JJ</b> Dual radial barbless ports, same side
<b>HH</b> Fastener mount, dual radial barbed ports, same side	<b>HH</b> Fastener mount, dual radial barbed ports, same side	<b>HH</b> Fastener mount, dual radial barbed ports, same side	<b>JJ</b> Dual radial barbless ports, same side	<b>JJ</b> Dual radial barbless ports, same side	<b>HH</b> Fastener mount, dual radial barbed ports, same side
<b>HN</b> Fastener mount, single radial barbed port	<b>HN</b> Fastener mount, single radial barbed port	<b>HN</b> Fastener mount, single radial barbed port	<b>HN</b> Fastener mount, single radial barbed port	<b>HN</b> Fastener mount, single radial barbed port	<b>HN</b> Fastener mount, single radial barbed port
<b>MN</b> Manifold mount, outer diameter seal	<b>MN</b> Manifold mount, outer diameter seal	<b>MN</b> Manifold mount, outer diameter seal	<b>HN</b> Fastener mount, single radial barbed port	<b>HN</b> Fastener mount, single radial barbed port	<b>MN</b> Manifold mount, outer diameter seal
<b>SN</b> Manifold mount, inner diameter seal	<b>SN</b> Manifold mount, inner diameter seal	<b>SN</b> Manifold mount, inner diameter seal	<b>MN</b> Manifold mount, outer diameter seal	<b>MN</b> Manifold mount, outer diameter seal	<b>SN</b> Manifold mount, inner diameter seal

**Supply Voltage**

**V** Constant

**Compensation**

**N** Uncompensated

**Output Type**

**U** Unamplified

**Pressure Range**

2.5 mbar to 10 bar	400 Pa to 1 MPa	1 in H <sub>2</sub> O to 150 psi
<i>Absolute</i>		
<b>001BA</b> 0 bar to 1 bar	<b>100KA</b> 0 kPa to 100 kPa	<b>015PA</b> 0 psi to 15 psi
<b>1.6BA</b> 0 bar to 1.6 bar	<b>160KA</b> 0 kPa to 160 kPa	<b>030PA</b> 0 psi to 30 psi
<b>2.5BA</b> 0 bar to 2.5 bar	<b>250KA</b> 0 kPa to 250 kPa	<b>060PA</b> 0 psi to 60 psi
<b>004BA</b> 0 bar to 4 bar	<b>400KA</b> 0 kPa to 400 kPa	<b>100PA</b> 0 psi to 100 psi
<b>006BA</b> 0 bar to 6 bar	<b>600KA</b> 0 kPa to 600 kPa	<b>150PA</b> 0 psi to 150 psi
<b>010BA</b> 0 bar to 10 bar	<b>001GA</b> 0 kPa to 1 MPa	
<i>Differential</i>		
<b>2.5MD</b> ±2.5 mbar	<b>250LD</b> ±250 Pa	<b>001ND</b> ±1 inH <sub>2</sub> O
<b>004MD</b> ±4 mbar	<b>400LD</b> ±400 Pa	<b>002ND</b> ±2 inH <sub>2</sub> O
<b>006MD</b> ±6 mbar	<b>600LD</b> ±600 Pa	<b>004ND</b> ±4 inH <sub>2</sub> O
<b>010MD</b> ±10 mbar	<b>001KD</b> ±1 kPa	<b>005ND</b> ±5 inH <sub>2</sub> O
<b>016MD</b> ±16 mbar	<b>1.6KD</b> ±1.6 kPa	<b>010ND</b> ±10 inH <sub>2</sub> O
<b>025MD</b> ±25 mbar	<b>2.5KD</b> ±2.5 kPa	<b>020ND</b> ±20 inH <sub>2</sub> O
<b>040MD</b> ±40 mbar	<b>004KD</b> ±4 kPa	<b>030ND</b> ±30 inH <sub>2</sub> O
<b>060MD</b> ±60 mbar	<b>006KD</b> ±6 kPa	<b>001PD</b> ±1 psi
<b>100MD</b> ±100 mbar	<b>010KD</b> ±10 kPa	<b>005PD</b> ±5 psi
<b>160MD</b> ±160 mbar	<b>016KD</b> ±16 kPa	<b>015PD</b> ±15 psi
<b>250MD</b> ±250 mbar	<b>025KD</b> ±25 kPa	<b>030PD</b> ±30 psi
<b>400MD</b> ±400 mbar	<b>040KD</b> ±40 kPa	<b>060PD</b> ±60 psi
<b>600MD</b> ±600 mbar	<b>060KD</b> ±60 kPa	<b>100PD</b> ±100 psi
<b>001BD</b> ±1 bar	<b>100KD</b> ±100 kPa	<b>150PD</b> ±150 psi
<b>1.6BD</b> ±1.6 bar	<b>160KD</b> ±160 kPa	
<b>2.5BD</b> ±2.5 bar	<b>250KD</b> ±250 kPa	
<b>004BD</b> ±4 bar	<b>400KD</b> ±400 kPa	
<b>006BD</b> ±6 bar	<b>600KD</b> ±600 kPa	
<b>010BD</b> ±10 bar	<b>001GD</b> ±1 MPa	
<i>Gage</i>		
<b>004MG</b> 0 mbar to 4 mbar	<b>400LG</b> 0 Pa to 400 Pa	<b>002NG</b> 0 inH <sub>2</sub> O to 2 inH <sub>2</sub> O
<b>006MG</b> 0 mbar to 6 mbar	<b>600LG</b> 0 Pa to 600 Pa	<b>004NG</b> 0 inH <sub>2</sub> O to 4 inH <sub>2</sub> O
<b>010MG</b> 0 mbar to 10 mbar	<b>001KG</b> 0 kPa to 1 kPa	<b>005NG</b> 0 inH <sub>2</sub> O to 5 inH <sub>2</sub> O
<b>016MG</b> 0 mbar to 16 mbar	<b>1.6KG</b> 0 kPa to 1.6 kPa	<b>010NG</b> 0 inH <sub>2</sub> O to 10 inH <sub>2</sub> O
<b>025MG</b> 0 mbar to 25 mbar	<b>004KG</b> 0 kPa to 4 kPa	<b>020NG</b> 0 inH <sub>2</sub> O to 20 inH <sub>2</sub> O
<b>040MG</b> 0 mbar to 40 mbar	<b>006KG</b> 0 kPa to 6 kPa	<b>030NG</b> 0 inH <sub>2</sub> O to 30 inH <sub>2</sub> O
<b>060MG</b> 0 mbar to 60 mbar	<b>010KG</b> 0 kPa to 10 kPa	<b>001PG</b> 0 psi to 1 psi
<b>100MG</b> 0 mbar to 100 mbar	<b>016KG</b> 0 kPa to 16 kPa	<b>005PG</b> 0 psi to 5 psi
<b>160MG</b> 0 mbar to 160 mbar	<b>025KG</b> 0 kPa to 25 kPa	<b>015PG</b> 0 psi to 15 psi
<b>250MG</b> 0 mbar to 250 mbar	<b>040KG</b> 0 kPa to 40 kPa	<b>030PG</b> 0 psi to 30 psi
<b>400MG</b> 0 bar to 400 mbar	<b>060KG</b> 0 kPa to 60 kPa	<b>060PG</b> 0 psi to 60 psi
<b>600MG</b> 0 bar to 600 mbar	<b>100KG</b> 0 kPa to 100 kPa	<b>100PG</b> 0 psi to 100 psi
<b>001BG</b> 0 bar to 1 bar	<b>160KG</b> 0 kPa to 160 kPa	<b>150PG</b> 0 psi to 150 psi
<b>1.6BG</b> 0 bar to 1.6 bar	<b>250KG</b> 0 kPa to 250 kPa	
<b>2.5BG</b> 0 bar to 2.5 bar	<b>400KG</b> 0 kPa to 400 kPa	
<b>004BG</b> 0 bar to 4 bar	<b>600KG</b> 0 kPa to 600 kPa	
<b>006BG</b> 0 bar to 6 bar	<b>001GG</b> 0 kPa to 1 MPa	
<b>010BG</b> 0 bar to 10 bar		

**Options**

**N** No special options

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