

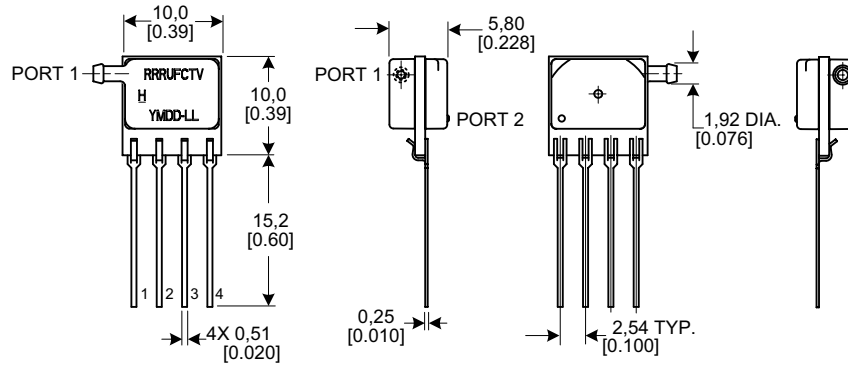
TSC Series, Compensated/Unamplified

NSC Series, Uncompensated/Unamplified

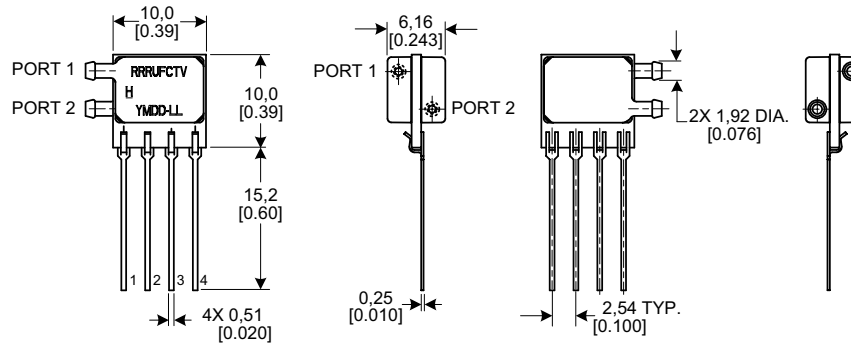
Figure 3. SIP Package Dimensional Drawings (continued)

Dimensions

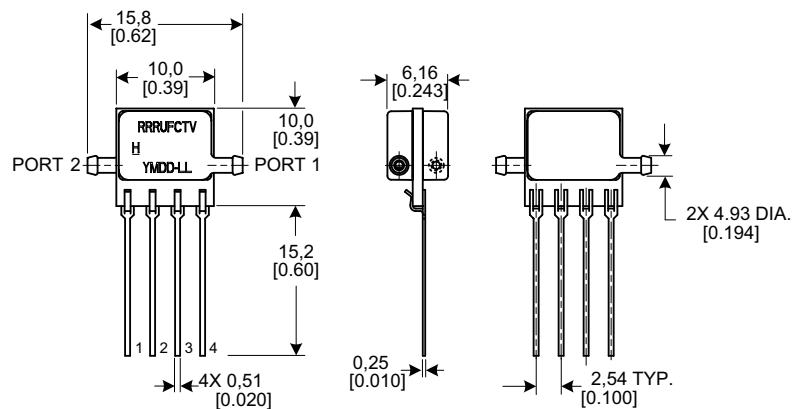
SIP RN: Single radial barbed port



SIP RR: Dual radial barbed ports, opposite sides



SIP DR: Dual radial barbed ports, opposite sides



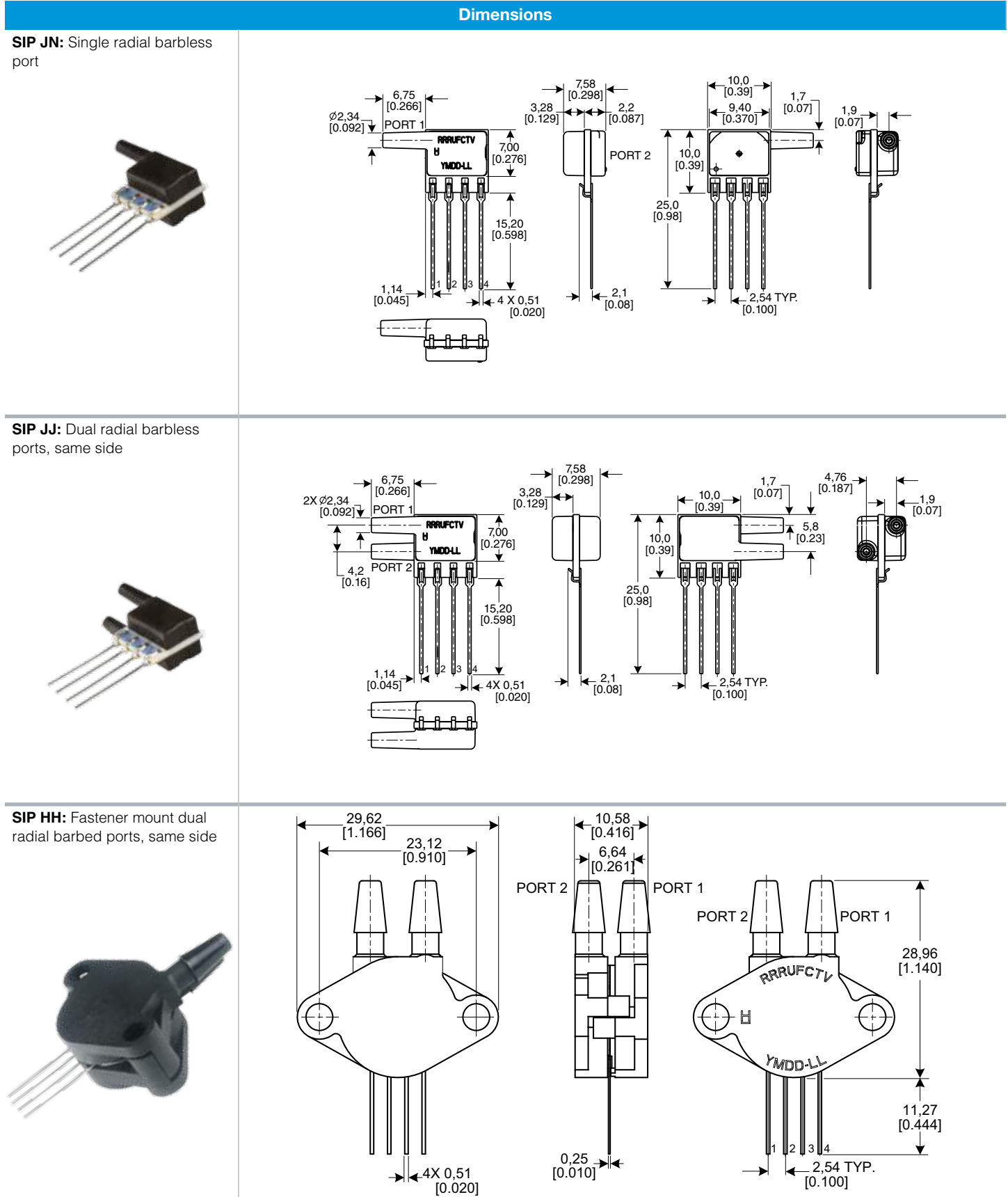
TSC Series, Compensated/Unamplified

NSC Series, Uncompensated/Unamplified

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Figure 3. SIP Package Dimensional Drawings (continued)



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Figure 3. SIP Package Dimensional Drawings (continued)


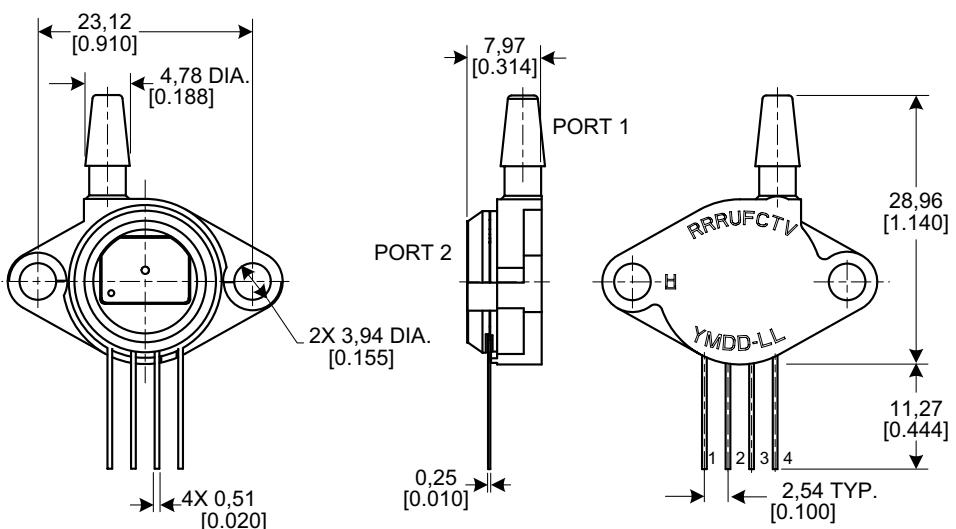

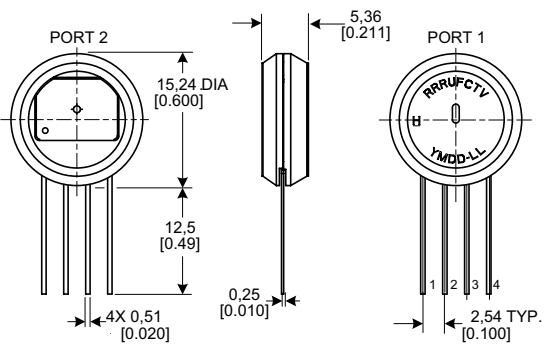

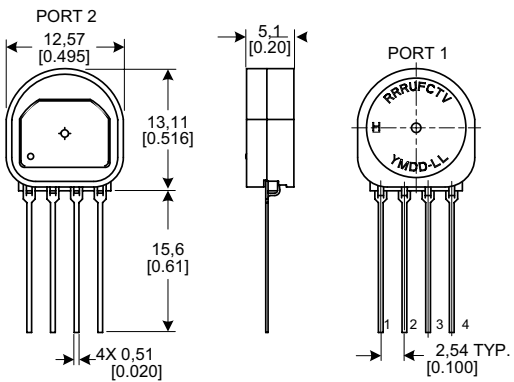
Dimensions	
<p>SIP HN: Fastener mount single radial barbed port</p> 	 <p>23,12 [0.910] 4,78 DIA. [0.188] 7,97 [0.314] PORT 1 PORT 2 2X 3,94 DIA. [0.155] 28,96 [1.140] 11,27 [0.444] 4X 0,51 [0.020] 0,25 [0.010] 2,54 TYP. [0.100]</p>
<p>SIP MN: Manifold mount, outer diameter seal</p> 	 <p>5,36 [0.211] PORT 2 15,24 DIA. [0.600] 12,5 [0.49] 4X 0,51 [0.020] 0,25 [0.010] PORT 1 2,54 TYP. [0.100]</p>
<p>SIP SN: Manifold mount, inner diameter seal</p> 	 <p>5,1 [0.20] PORT 2 12,57 [0.495] 13,11 [0.516] 15,6 [0.61] 4X 0,51 [0.020] PORT 1 2,54 TYP. [0.100]</p>

Table 5. Pinout for DIP and SMT Packages

Output Type	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
analog	GND	Vout+	V _{supply}	Vout-	NC	NC	NC	NC

Table 6. Pinout for SIP Packages

Output Type	Pin 1	Pin 2	Pin 3	Pin 4
analog	GND	Vout+	V _{supply}	Vout-

Figure 4. Recommended PCB Pad Layouts

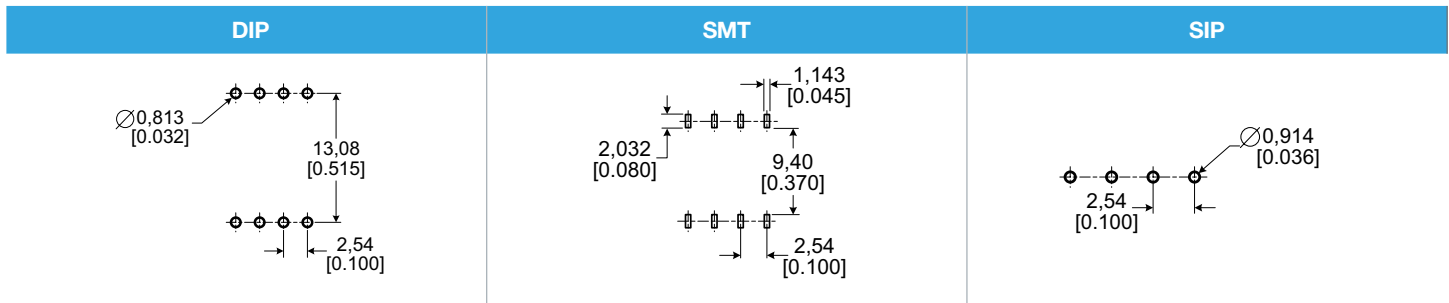
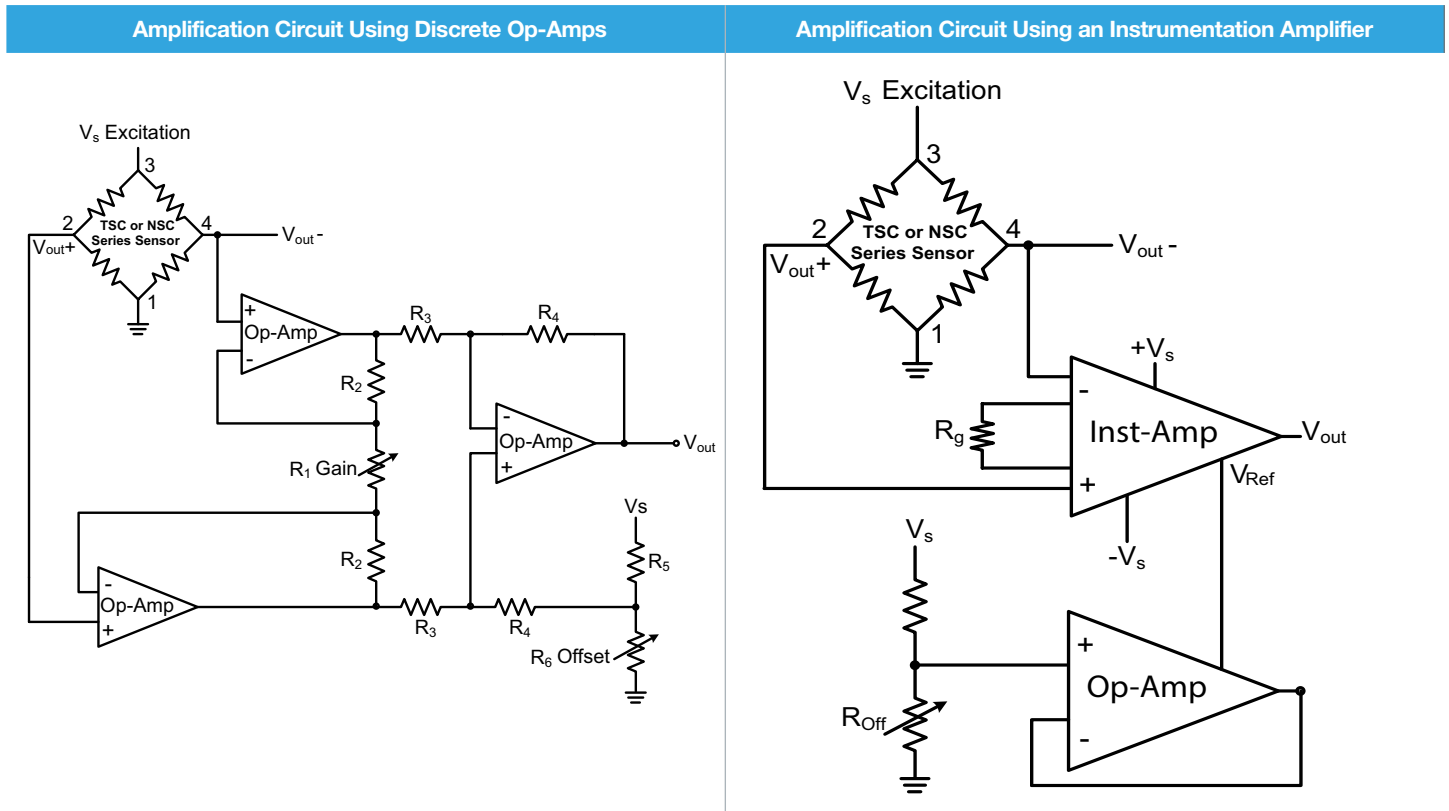


Figure 5. Circuit Examples



TSC Series, Compensated/Unamplified

NSC Series, Uncompensated/Unamplified

Figure 6. TSC Series Nomenclature and Order Guide¹

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

Package

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

Pressure Port

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

Options

N No special options

Supply Voltage

V Constant

Compensation

C Compensated

Output Type

U Unamplified

Pressure Range

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

TSC Series, Compensated/Unamplified

NSC Series, Uncompensated/Unamplified

Figure 7. NSC Series Nomenclature and Order Guide¹

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	
NN No ports		NN No ports		NN No ports	
—	—	—	—	AA Dual axial barbed ports, opposite sides	
AN Single axial barbed port		AN Single axial barbed port		AN Single axial barbed port	
LN Single axial barbless port		LN Single axial barbless port		LN Single axial barbless port	
—	—	—	—	FF Fastener mount, dual axial barbed ports, opposite sides	
—	—	—	—	FN Fastener mount, single axial barbed port	
—	—	—	—	GN Ribbed fastener mount, single axial barbed port	
—	—	—	—	NB Fastener mount, dual axial ports, same side	
RN Single radial barbed port		RN Single radial barbed port		RN Single radial barbed port	
RR Dual radial barbed ports, same side		RR Dual radial barbed ports, same side		RR Dual radial barbed ports, same side	
DR Dual radial barbed ports, opposite sides		DR Dual radial barbed ports, opposite sides		DR Dual radial barbed ports, opposite sides	
JN Single radial barbless port		JN Single radial barbless port		JN Single radial barbless port	
JJ Dual radial barbless ports, same side		JJ Dual radial barbless ports, same side		JJ Dual radial barbless ports, same side	
—	—	—	—	HH Fastener mount, dual radial barbed ports, same side	
—	—	—	—	HN Fastener mount, single radial barbed port	
—	—	—	—	MN Manifold mount, outer diameter seal	
—	—	—	—	SN 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 ₂ O to 150 psi
<i>Absolute</i>		
001BA 0 bar to 1 bar	100KA 0 kPa to 100 kPa	015PA 0 psi to 15 psi
1.6BA 0 bar to 1.6 bar	160KA 0 kPa to 160 kPa	030PA 0 psi to 30 psi
2.5BA 0 bar to 2.5 bar	250KA 0 kPa to 250 kPa	060PA 0 psi to 60 psi
004BA 0 bar to 4 bar	400KA 0 kPa to 400 kPa	100PA 0 psi to 100 psi
006BA 0 bar to 6 bar	600KA 0 kPa to 600 kPa	150PA 0 psi to 150 psi
010BA 0 bar to 10 bar	001GA 0 kPa to 1 MPa	
<i>Differential</i>		
2.5MD ±2.5 mbar	250LD ±250 Pa	001ND ±1 inH ₂ O
004MD ±4 mbar	400LD ±400 Pa	002ND ±2 inH ₂ O
006MD ±6 mbar	600LD ±600 Pa	004ND ±4 inH ₂ O
010MD ±10 mbar	001KD ±1 kPa	005ND ±5 inH ₂ O
016MD ±16 mbar	1.6KD ±1.6 kPa	010ND ±10 inH ₂ O
025MD ±25 mbar	2.5KD ±2.5 kPa	020ND ±20 inH ₂ O
040MD ±40 mbar	004KD ±4 kPa	030ND ±30 inH ₂ O
060MD ±60 mbar	006KD ±6 kPa	001PD ±1 psi
100MD ±100 mbar	010KD ±10 kPa	005PD ±5 psi
160MD ±160 mbar	016KD ±16 kPa	015PD ±15 psi
250MD ±250 mbar	025KD ±25 kPa	030PD ±30 psi
400MD ±400 mbar	040KD ±40 kPa	060PD ±60 psi
600MD ±600 mbar	060KD ±60 kPa	100PD ±100 psi
001BD ±1 bar	100KD ±100 kPa	150PD ±150 psi
1.6BD ±1.6 bar	160KD ±160 kPa	
2.5BD ±2.5 bar	250KD ±250 kPa	
004BD ±4 bar	400KD ±400 kPa	
006BD ±6 bar	600KD ±600 kPa	
010BD ±10 bar	001GD ±1 MPa	
<i>Gage</i>		
004MG 0 mbar to 4 mbar	400LG 0 Pa to 400 Pa	002NG 0 inH ₂ O to 2 inH ₂ O
006MG 0 mbar to 6 mbar	600LG 0 Pa to 600 Pa	004NG 0 inH ₂ O to 4 inH ₂ O
010MG 0 mbar to 10 mbar	001KG 0 kPa to 1 kPa	005NG 0 inH ₂ O to 5 inH ₂ O
016MG 0 mbar to 16 mbar	1.6KG 0 kPa to 1.6 kPa	010NG 0 inH ₂ O to 10 inH ₂ O
025MG 0 mbar to 25 mbar	004KG 0 kPa to 4 kPa	020NG 0 inH ₂ O to 20 inH ₂ O
040MG 0 mbar to 40 mbar	006KG 0 kPa to 6 kPa	030NG 0 inH ₂ O to 30 inH ₂ O
060MG 0 mbar to 60 mbar	010KG 0 kPa to 10 kPa	001PG 0 psi to 1 psi
100MG 0 mbar to 100 mbar	016KG 0 kPa to 16 kPa	005PG 0 psi to 5 psi
160MG 0 mbar to 160 mbar	025KG 0 kPa to 25 kPa	015PG 0 psi to 15 psi
250MG 0 mbar to 250 mbar	040KG 0 kPa to 40 kPa	030PG 0 psi to 30 psi
400MG 0 bar to 400 mbar	060KG 0 kPa to 60 kPa	060PG 0 psi to 60 psi
600MG 0 bar to 600 mbar	100KG 0 kPa to 100 kPa	100PG 0 psi to 100 psi
001BG 0 bar to 1 bar	160KG 0 kPa to 160 kPa	150PG 0 psi to 150 psi
1.6BG 0 bar to 1.6 bar	250KG 0 kPa to 250 kPa	
2.5BG 0 bar to 2.5 bar	400KG 0 kPa to 400 kPa	
004BG 0 bar to 4 bar	600KG 0 kPa to 600 kPa	
006BG 0 bar to 6 bar	001GG 0 kPa to 1 MPa	
010BG 0 bar to 10 bar		

Options
N No special options

TSC Series, Compensated/Unamplified

NSC Series, Uncompensated/Unamplified

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WARNING

PERSONAL INJURY

DO NOT USE these products as safety or emergency stop devices or in any other application where failure of the product could result in personal injury.

Failure to comply with these instructions could result in death or serious injury.

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