Pressure Sensors

Honeywell has over 40 years of experience in the pressure transducer industry. We offer three pressure sensor measurement types - absolute, differential and gage - including vacuum gage and bidirectional types. A wide variety of pressure ranges, along with both amplified and unamplified versions, are available. Silicon-based versions in stainless steel and brass housings allow for use in harsh environmental conditions. A wide choice of mounting, package, and port configurations allows customers to choose from standard off-the-shelf designs.

Pressure sensors contain sensing elements that consist of four piezoresistors buried in the face of a thin, chemically-etched silicon diaphragm. A pressure change causes the diaphragm to flex, inducing a stress or strain in the diaphragm and the buried resistors. The resistor values change in proportion to the stress applied and produce an electrical output.

All Honeywell pressure sensors feature excellent repeatability, high accuracy and reliability under varying environmental conditions. In addition, they feature highly consistent operating characteristics from one sensor to the next and interchangeability without recalibration.

Stainless Steel versions

Honeywell also offers stainless steel pressure transducers that use bonded strain gauge technology with stainless steel media isolation, which eliminates the need for internal seals. Our stainless steel pressure transducers utilize bonded semiconductor strain gauge technology and are designed for demanding environments involving corrosive media. They are manufactured in a variety of packages that are widely used in medical equipment, compressors, hydraulic controls, transportation, agriculture, and refrigeration applications. Laser trimmed and tested, they are fully calibrated and temperature compensated to assure long-term reliability and performance. Stainless steel pressure transducers are fully compensated to eliminate known sources of errors.

Most of our transducers utilize the ‘bonded strain gage’ technology and are fully stainless steel media isolated, eliminating the need for internal elastomer seals. Our strain gage design is very resistant to the effects of shock, vibration and hostile environments. All of our transducers are fully compensated and tested against the appropriate specifications before shipment.

High Purity versions

High purity pressure sensors are focused on high-purity applications in the wafer-processing segment of the semiconductor industry. With ISO 9001 certified facilities and Class 10 cleanroom capability, Honeywell manufactures a full line of high purity pressure sensing and control products; each individually tested, inspected and certified to be in full compliance with the product specification.

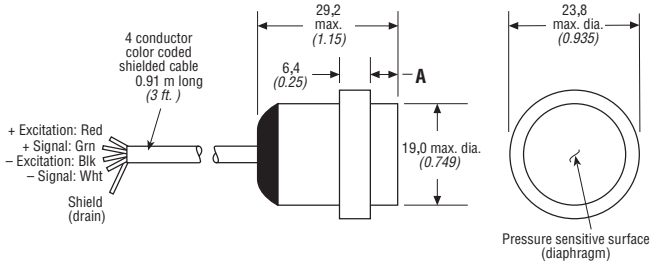
The long life of the high-purity pressure sensors, coupled with long-term stability, greatly reduces or eliminates the need for zero and span adjustments.

AB/HP Series

The AB-High Performance pressure transducer is extremely accurate down to 0.25% span over a wide compensated temperature range. Both zero and full-scale temperature compensation are held to extremely narrow limits.

The transducer's body is made in a configuration permitting its use as a 'flush-mounted' device in situations where ease of cleaning or low-fluid volumes are major requirements. It may also be mounted in an adaptor for more conventional installations. Made from 316L or 15-5PH stainless steel, the AB/HP offer premium performance and flexibility at OEM prices.

Approvals: CE
Supply voltage: 5.0 Vdc, 6.0 Vdc max.
Signal conditioning: Unamplified compensation
Compensated temperature range: -1 °C to 71 °C (30 °F to 160 °F)
Port style: Flush Diaphragm
Output type: 0 mV to 100 mV



OPTIONS

0,91 m (3 ft) 4-Conductor Shielded Cable -54 °C to 93 °C (-65 °F to 200 °F)

MEASUREMENT TYPE	PRESSURE RANGE	REFERENCE
Absolute	0 psia to 15 psia	ABH015PAC1B
Absolute	0 psia to 50 psia	ABH050PAC1B
Gauge	0 psig to 6 psig	ABH006PGC1B
Gauge	0 psig to 25 psig	ABH025PGC1B
Gauge	0 psig to 15 psig	ABH015PGC1B
Sealed Gauge	0 psis to 100 psis	ABH100PSC1B
Sealed Gauge	0 psis to 200 psis	ABH200PSC1B
Sealed Gauge	0 psis to 500 psis	ABH500PSC1B
Sealed Gauge	0 psis to 1,000 psis	ABH01KPSC1B
Sealed Gauge	0 psis to 2,000 psis	ABH02KPSC1B
Sealed Gauge	0 psis to 3,000 psis	ABH03KPSC1B

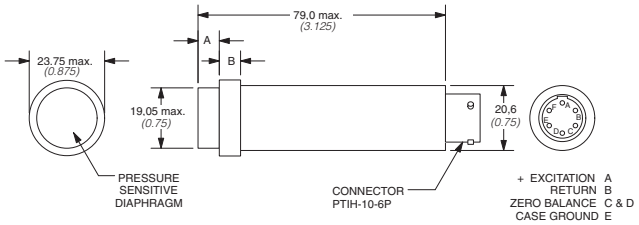
Bendix High Temperature Connector -54 °C to 149 °C (-65 °F to 300 °F)

MEASUREMENT TYPE	PRESSURE RANGE	REFERENCE
Absolute	0 psia to 25 psia	ABH025PABB
Sealed Gauge	0 psis to 3,000 psis	ABH03KPSBB
Sealed Gauge	0 psis to 10,000 psis	ABH10KPSBB

BL Series

The BL pressure transmitter has a conventional 4 mA to 20 mA output and is available with accuracies to 0.25%. It has Factory Mutual approval as an intrinsically safe device for use in hazardous areas. Class I, Division I, Groups A through G (when used within approved barriers).

Approvals: CE, FM
Supply voltage: 12.0 Vdc to 30.0 Vdc
Signal conditioning: Amplified compensated
Operating temperature range: -40 °C to 82 °C (-40 °F to 180 °F)
Compensated temperature range: -1 °C to 54 °C (-30 °F to 130 °F)
Port style: Flush Diaphragm
Output type: 4 mA to 20 mA
Termination type: Bendix Connector



PRESSURE RANGE (PSI)

Pressure Range (PSI)	Dim. A MAX		Dim. B	
0-5	.271	(6.9)	.25	(6.4)
1-15 to 0-50	.232	(5.9)	.25	(6.4)
0-100 to 0-200	.238	(6.1)	.25	(6.4)
0-500 to 0-1000	.238	(6.1)	.19	(4.8)
0-2000 to 0-5000	.273	(6.9)	.19	(4.8)
0-10000	.287	(7.3)	.19	(4.8)
0-20000	.285	(7.5)	.19	(4.8)

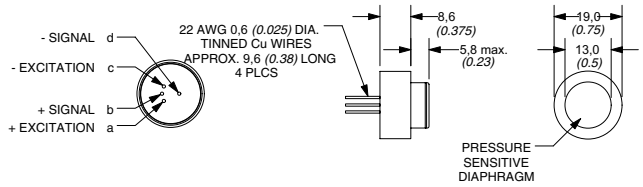
OPTIONS

MEASUREMENT TYPE	PRESSURE RANGE	REFERENCE
Gauge	0 psig to 15 psig	BLH015PGBG
Gauge	0 psig to 15 psig	BL015PGBG
Sealed Gauge	0 psis to 100 psis	BL100PSBG
Sealed Gauge	0 psis to 100 psis	BLH100PSBG
Sealed Gauge	0 psis to 200 psis	BL200PSBG
Sealed Gauge	0 psis to 500 psis	BL500PSBG
Sealed Gauge	0 psis to 5,000 psis	BL05KPSBG
Sealed Gauge	0 psis to 10,000 psis	BLH10KPSBG

BX Series

The BX pressure sensor is intended for OEMs who need a small, high performance pressure sensor. The unique sensor module design eliminates the need for oil-filled capsules and corrugated diaphragms providing a true, robust sensing surface for long life and superior performance.

Supply voltage:	5.0 Vdc
Signal conditioning:	Unamplified compensated
Operating temperature range:	-40 °C to 100 °C (-40 °F to 212 °F)
Compensated temperature range:	0 °C to 80 °C (32 °F to 130 °F)
Port style:	Flush diaphragm
Output type:	0 mV to 50 mV
Termination type:	4 - 22 AWG tinned Cu wires



OPTIONS

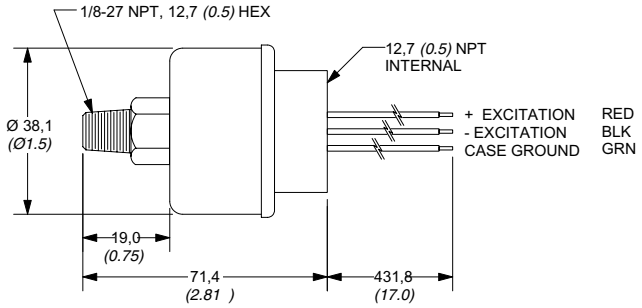
MEASUREMENT TYPE	PRESSURE RANGE	REFERENCE
Gauge	0 psig to 15 psig	BX015PGTA

Datamate Series

The DATAMATE is a two-wire pressure transmitter which is compatible with data loggers and instrumentation used in processing environments. Its 4 mA to 20 mA output is ideal for remote monitoring of both primary and secondary process variables.

The DATAMATE is made of series 300 stainless steel. It is suitable for use with a variety of media that would otherwise require insulators. It is also intrinsically safe (when used within approved barriers) for use in Class I, Division I, Groups A through G hazardous areas.

Approval:	FM
Supply voltage:	12.0 Vdc to 40.0 Vdc
Signal conditioning:	Amplified compensated
Operating temperature range:	-40 °C to 100 °C (-40 °F to 212 °F)
Compensated temperature range:	-1 °C to 54 °C (30 °F to 130 °F)
Port style:	1/8 - 27 NPT
Output type:	4 mA to 20 mA
Termination type:	3-wire, 24 AWG, 1/2 in. NPT internal conduit



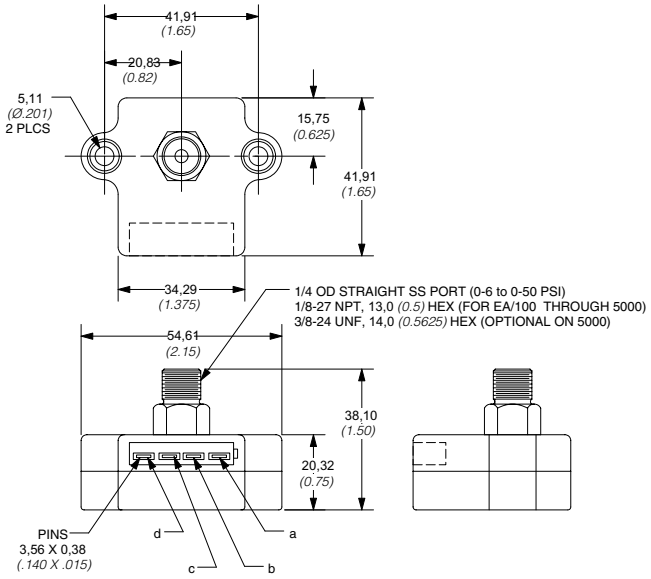
OPTIONS

MEASUREMENT TYPE	PRESSURE RANGE	REFERENCE
Gauge	0 psig to 15 psig	DM015PG1WG
Gauge	0 psig to 50 psig	DM050PG1WG
Sealed Gauge	0 psis to 100 psis	DM100PS1WG
Sealed Gauge	0 psis to 200 psis	DM200PS1WG
Sealed Gauge	0 psis to 500 psis	DM500PS1WG
Sealed Gauge	0 psis to 5,000 psis	DM05KPS1WG

EA Series

The EA Series is designed for OEM users requiring high output and corrosion-resistance. It has operated through millions of pressure cycles without damage and is well suited for the cycling regimes found in automatic equipment, robots, and hydraulic systems.

Approval:	UL
Supply voltage:	85.0 Vdc
Signal conditioning:	Amplified compensated
Compensated temperature range:	1 °C to 85 °C (30 °F to 185 °F)
Port style:	1/8 in - 27 NPT
Termination type:	Quick disconnect
Measurement type:	Gauge



OPTIONS

Output 1 Vdc to 6 Vdc
-55 °C to 100 °C (-67 °F to 212 °F)

MEASUREMENT TYPE	PRESSURE RANGE	REFERENCE
Gauge	0 psig to 6 psig	EA006PG1QD
Gauge	0 psig to 15 psig	EA015PG1QD
Gauge	0 psig to 25 psig	EA025PG1QD
Gauge	0 psig to 100 psig	EA100PG1QD
Gauge	0 psig to 200 psig	EA200PG1QD
Gauge	0 psig to 300 psig	EA300PG1QD
Gauge	0 psig to 500 psig	EA500PG1QD
Gauge	0 psig to 1,000 psig	EA01KPG1QD
Gauge	0 psig to 5,000 psig	EA05KPG1QD

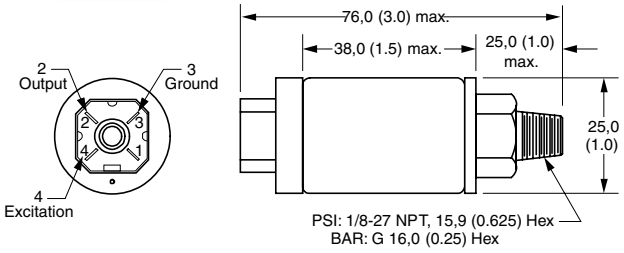
Output 1 kHz to 6 kHz
-40 °C to 85 °C (-40 °F to 185 °F)

MEASUREMENT TYPE	PRESSURE RANGE	REFERENCE
Gauge	0 psig to 300 psig	EA300PG1QF
Gauge	0 psig to 500 psig	EA500PG1QF

Eclipse Series

The Eclipse (EC) Series pressure transducers are designed for OEMS who require a reliable pressure transducer for industrial or heavy-duty applications. The model EC features our proven all-wetted stainless steel design, rugged packaging, internal signal amplification, and price which makes it an ideal sensor for a variety of applications. The model EC offers a broad selection of pressure ranges, output ranges, process connections, and electrical termination to meet the demanding requirements of customers worldwide.

Approvals:	UL, CE
Supply voltage:	5.0 Vdc
Signal conditioning:	Amplified compensated
Operating temperature range:	-40 °C to 105 °C (-40 °F to 221 °F)
Compensated temperature range:	-40 °C to 105 °C (-40 °F to 221 °F)



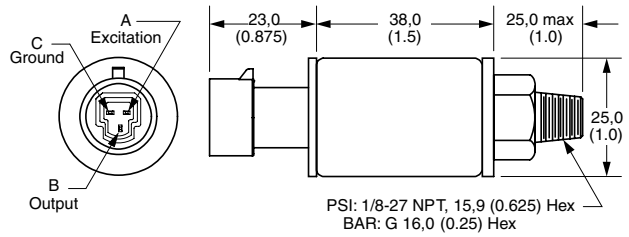
OPTIONS

The Model Eclipse is available with a mini DIN style electrical connector. This connection is a popular choice throughout the world and offers quick disconnection, but can be rigidly attached with the center screw fastener. The cable exit may be adjusted to any 90° direction.

Hirschmann - 0.5 Vdc to 4.5 Vdc Output
1/8 in - 27 NPT Connector

MEASUREMENT TYPE	PRESSURE RANGE	REFERENCE
Sealed Gauge	0 psis to 200 psis	EC200PS1HC
Sealed Gauge	0 psis to 500 psis	EC500PS1HC

Eclipse Series (continued)



OPTIONS

To meet the requirements of automotive applications, the Model Eclipse is offered with the Packard Metri-PackTM electrical connector. This connector has been specified for the extreme environments found in engine and hydraulic applications. The connector has a locking lug to maintain the connection with the mating plug.

Packard - 0.5 Vdc to 4.5 Vdc Output
1/8 in - 27 NPT Connector

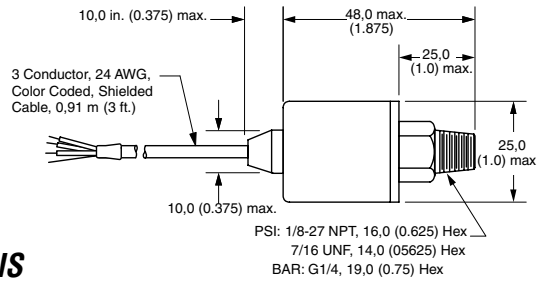
MEASUREMENT TYPE	PRESSURE RANGE	REFERENCE
Sealed Gauge	0 psis to 200 psis	EC200PS1PC
Sealed Gauge	0 psis to 300 psis	EC300PS1PC
Sealed Gauge	0 psis to 500 psis	EC500PS1PC
Sealed Gauge	0 psis to 2,000 psis	EC02KPS1PC
Sealed Gauge	0 psis to 3,000 psis	EC03KPS1PC

G1/4 in - 19 BSP Connector

MEASUREMENT TYPE	PRESSURE RANGE	REFERENCE
Sealed Gauge	0 bar to 350 bar	EC350BS6PC

4 mA to 20 mA Output
G1/4 in - 19 BSP Connector

MEASUREMENT TYPE	PRESSURE RANGE	REFERENCE
Gauge	0 bar to 1 bar	EC001BG6PG



OPTIONS

The Model Eclipse can be provided with an all stainless steel case and an integral cable for electrical connection. The advantage of this arrangement is that the environment rating is increased to IP66 and would be recommended for extreme outdoor or industrial environments.

Model Cable

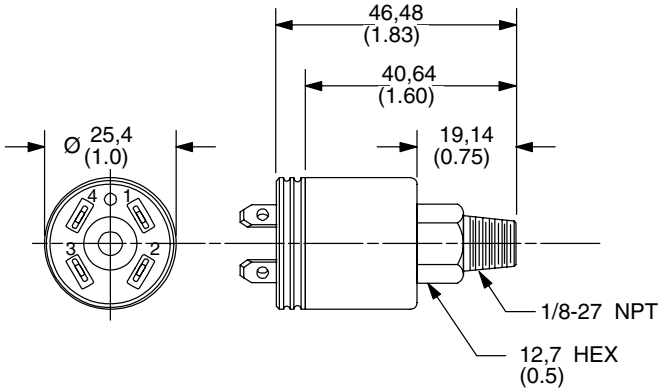
MEASUREMENT TYPE	PRESSURE RANGE	REFERENCE
Sealed Gauge	0 psis to 100 psis	EC100PS1CG
Sealed Gauge	0 psis to 5,000 psis	EC05KPS1CG

MediaMate Series

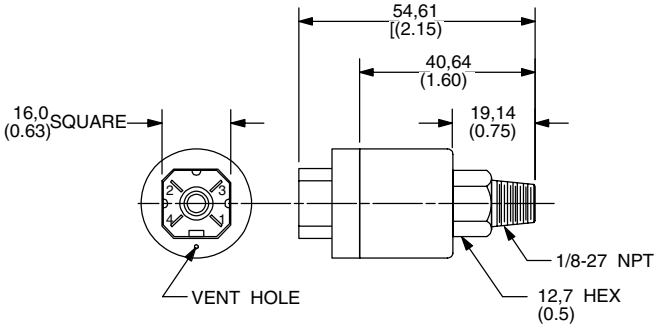
The MEDIAMATE pressure transducer provides the user with the corrosion resistance of stainless steel at low OEM pricing. It is fully compensated and completely interchangeable without further calibration. The MEDIAMATE's wetted parts and outer case are made from 300 series stainless steel. It is now being used with a wide variety of corrosive medial such as Freon®, ammonia, water, and hydraulic fluids.

Approvals:	CE
Supply voltage:	5.0 Vdc, 6.0 Vdc max.
Signal conditioning:	Unamplified compensated
Operating temperature range:	-40 °C to 100 °C (-40 °F to 212 °F)
Compensated temperature range:	-1 °C to 82 °C (30 °F to 180 °F)
Output type:	0 mV to 50 mV
Measurement type:	Gauge

MEDIAMATE WITH HOLLINGSWORTH



MEDIAMATE WITH HIRSCHMANN



PIN CODES ARE FOR OPTIONAL HIRSCHMANN AND HOLLINGSWORTH CONNECTORS

Hollisworth Pin Code	Hirshmann Pin Code	Function
1	1	+ Signal
2	2	+ Excitation
3	3	- Signal
4	4	- Excitation

OPTIONS

Hollingsworth - 1/8 in - 27 NPT Connector

MEASUREMENT TYPE	PRESSURE RANGE	REFERENCE
Gauge	0 psig to 15 psig	MM015PG1QA
Gauge	0 psig to 100 psig	MM100PG1QA
Gauge	0 psig to 200 psig	MM200PG1QA
Gauge	0 psig to 500 psig	MM500PG1QA
Gauge	0 psig to 1,000 psig	MM01KPG1QA
Gauge	0 psig to 5,000 psig	MM05KPG1QA

Hollingsworth - 3/8 in UNF Connector

MEASUREMENT TYPE	PRESSURE RANGE	REFERENCE
Gauge	0 psig to 5,000 psig	MM05KPG3QA

OPTIONS

Hirschmann - G-1/8 in BSP Connector

MEASUREMENT TYPE	PRESSURE RANGE	REFERENCE
Gauge	0 psig to 25 psig	MM025PG10HA
Gauge	0 psig to 200 psig	MM200PG10HA
Gauge	0 psig to 5,000 psig	MM05KPG10HA
Gauge	0 psig to 7,000 psig	MM07KPG10HA

Hirschmann - 1/8 in - 27 NPT Connector

MEASUREMENT TYPE	PRESSURE RANGE	REFERENCE
Gauge	0 psig to 50 psig	MM050PG1HA
Gauge	0 psig to 100 psig	MM100PG1HA

Hirschmann - G-1/4 in BSP Connector

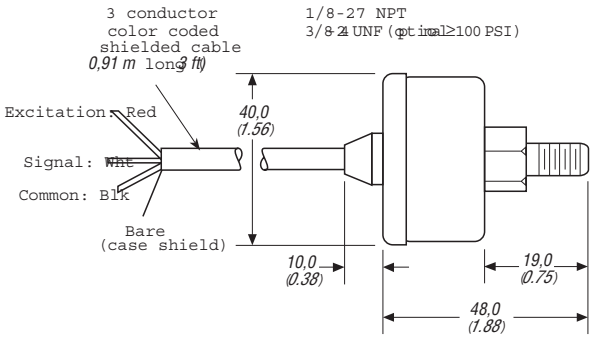
MEASUREMENT TYPE	PRESSURE RANGE	REFERENCE
Gauge	0 psig to 5,000 psig	MM05KPG6HA

SA Series

The harsh duty SA pressure transducer has a water resistant, stainless steel case for complete protection from harsh environments. Internal hermetic sealing is used to provide measurement from absolute pressures (psia) or pressures referenced to a sealed chamber (psis). Underwriters Laboratories has approved the SA as a component in float and pressure-operated motor controllers (File #E93356).

Approvals:	UL (*C1D products) CE (*C1DE products)
Supply voltage:	9.0 Vdc to 24.0 Vdc
Signal conditioning:	Amplified compensated
Operating temperature range:	-55 °C to 105 °C (-48 °F to 221 °F)
Compensated temperature range:	-1 °C to 85 °C (30 °F to 185 °F)
Port style:	1/8-27 NPT
Output type:	1 Vdc to 6 Vdc
Termination type:	0,91 m (3 ft) 3-conductor shielded cable

SA WITH CABLE



1/2 Hex for 1/8-27 NPT port
9/16 Hex for 3/8-24 UNF port

OPTIONS

UL Approval

MEASUREMENT TYPE	PRESSURE RANGE	REFERENCE
Absolute	0 psia to 15 psia	SA015PA1C1D
Absolute	0 psia to 25 psia	SA025PA1C1D
Absolute	0 psia to 50 psia	SA050PA1C1D
Absolute	0 psia to 100 psia	SA100PA1C1D
Gauge	0 psig to 15 psig	SA015PG1C1D
Sealed Gauge	0 psis to 100 psis	SA100PS1C1D
Sealed Gauge	0 psis to 200 psis	SA200PS1C1D
Sealed Gauge	0 psis to 500 psis	SA500PS1C1D
Sealed Gauge	0 psis to 3,000 psis	SA03KPS1C1D

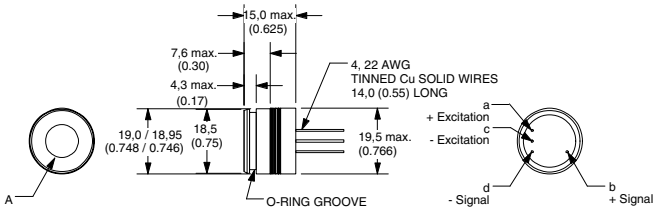
CE Approval

MEASUREMENT TYPE	PRESSURE RANGE	REFERENCE
Absolute	0 psia to 25 psia	SA025PA1C1DE
Absolute	0 psia to 50 psia	SA050PA1C1DE

SR Series

The Model SR is intended for OEMs requiring a small pressure sensor with high pressure capability and superior corrosion resistance. Constructed of brazen assembly of 300 series stainless steels, the SR can tolerate a wide variety of corrosive medial without risk of leaking. The SR's design provide high working pressures and high overload and burst pressures at no extra cost.

Supply voltage:	5.0 Vdc
Signal conditioning:	Unamplified compensated
Operating temperature range:	-40 °C to 100 °C (-40 °F to 212 °F)
Compensated temperature range:	0 °C to 75 °C (32 °F to 167 °F)
Port style:	Capsule
Output type:	0 mV to 100 mV
Termination type:	4 - 22 AWG tinned Cu wires



PRESSURE RANGE (PSI)

Pressure Range (PSI)	* A			
	Bore Dia.	O-Ring	Sealing Depth**	Cavity Depth
15-500	.500 (12.70)	2-012	.21 (5.33)	.22 (5.58)
1000-1500	.375 (9.52)	2-010	.21 (5.33)	.22 (5.58)
2000	.375 (9.52)	2-010	.21 (5.33)	.22 (5.58)

CAUTION: Contact with sensing surface at bottom of cavity will affect accuracy and may cause damage. The O-ring groove on 2000 psi unit is wider to accommodate a backup ring behind the O-ring.
All dimensions in inches (mm).

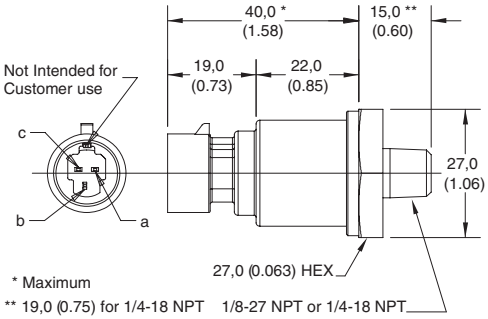
OPTIONS

MEASUREMENT TYPE	PRESSURE RANGE	REFERENCE
Gauge	0 psig to 15 psig	SR015PGTB
Gauge	0 psig to 25 psig	SR025PGTB
Gauge	0 psig to 50 psig	SR050PGTB
Gauge	0 psig to 100 psig	SR100PGTB
Gauge	0 psig to 200 psig	SR200PGTB
Gauge	0 psig to 300 psig	SR300PGTB
Gauge	0 psig to 500 psig	SR500PGTB
Gauge	0 psig to 1,000 psig	SR01KPGTB
Gauge	0 psig to 2,000 psig	SR02KPGTB

ML Series

The Model ML pressure transducers combines the latest in ASIC technology with our proven stainless steel design. This digitally compensated transducer offers an unparalleled value and performance combination making it the ideal pressure sensing solution for demanding automotive and industrial applications. Fully temperature compensated, calibrated, and amplified, the ML is available in 100 to 5,000 psis pressure ranges.

Approval:	UL
Supply voltage:	5.0 Vdc
Signal conditioning:	Amplified compensated
Operating temperature range:	-40 °C to 105 °C (-40 °F to 221 °F)
Compensated temperature range:	-40 °C to 105 °C (-40 °F to 221 °F)
Termination type:	Packard Metri-Pack™ Connector
Measurement type:	Sealed Gauge



OPTIONS

0.5 Vdc to 4.5 Vdc Output
1/8 in - 27 NPT Connector

SUPPLY VOLTAGE	PRESSURE RANGE	REFERENCE
5.0 Vdc	0 psis to 1,000 psis	ML01KPS1PC
5.0 Vdc	0 psis to 100 psis	ML100PS1PC

1/4 in - 18 NPT Connector

SUPPLY VOLTAGE	PRESSURE RANGE	REFERENCE
5.0 Vdc	0 bar to 10 bar	ML010BS2PC

4 mA to 20 mA Output
1/8 in - 27 NPT Connector

SUPPLY VOLTAGE	PRESSURE RANGE	REFERENCE
9.5 Vdc to 35.0 Vdc	0 psis to 100 psis	ML100PS1PG

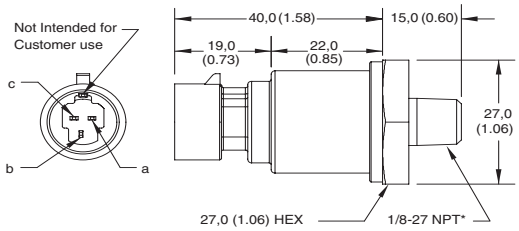
1/4 in - 18 NPT Connector

SUPPLY VOLTAGE	PRESSURE RANGE	REFERENCE
9.5 Vdc to 35.0 Vdc	0 psis to 100 psis	ML100PS2PG
9.5 Vdc to 35.0 Vdc	0 psis to 300 psis	ML300PS2PG
9.5 Vdc to 35.0 Vdc	0 bar to 60 bar	ML060BS2PG

ST Series

The Model ST pressure transducer combines Honeywell's proven silicon pressure sensing with the latest in ASIC technology in a rugged, industrial package. High value, coupled with outstanding performance, make this an ideal transducer for industrial control applications such as air compressors and pneumatic equipment.

Signal conditioning:	Amplified compensated
Operating temperature range:	-40 °C to 100 °C (-40 °F to 212 °F)
Compensated temperature range:	-40 °C to 100 °C (-40 °F to 212 °F)
Termination type:	Packard Metri-Pack™ Connector
Measurement type:	Gauge



* 1/4-18 NPT and G1/4-18 BSP configurations are both optional.
Contact the factory to discuss other pressure port options.

OPTIONS

4.0 mA to 20 mA Output
1/8 in - 27 NPT Connector

SUPPLY VOLTAGE	PRESSURE RANGE	REFERENCE
9.5 Vdc to 35 Vdc	0 bar to 10 bar	ST010BG1SPGF
9.5 Vdc to 35 Vdc	0 psig to 200 psig	ST200PG1SPGF

1/4 in - 18 NPT Connector

SUPPLY VOLTAGE	PRESSURE RANGE	REFERENCE
9.5 Vdc to 35 Vdc	0 bar to 10 bar	ST010BG2SPGF
9.5 Vdc to 35 Vdc	0 bar to 2.5 bar	ST2R5BG2SPGF
9.5 Vdc to 35 Vdc	0 bar to 6.0 bar	ST006BG2SPGF

0.5 Vdc to 4.5 Vdc Ratiometric Output
1/4 in - 18 NPT Connector

SUPPLY VOLTAGE	PRESSURE RANGE	REFERENCE
5.0 Vdc	0 psig to 50 psig	ST050PG2SPCF

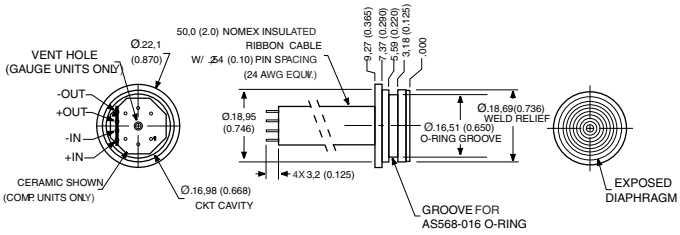
19mm Series

The ICT stainless steel 19C and 19 Vacuum Gauge Series devices are designed for pressure applications that involve measurement of hostile media in harsh environments compatible with 316 stainless steel. The special Vacuum Gauge Series devices are specifically designed for applications that can be exposed to a vacuum.

Supply voltage:	1.5 mA or 10.0 Vdc
Signal conditioning:	Unamplified compensated
Operating temperature range:	-40 °C to 125 °C (-40 °F to 257 °F)
Compensated temperature range:	0 °C to 82 °C (32 °F to 179 °F)
Output type:	98 mV to 102 mV
Termination type:	50,0 mm (2.0 in) Nomex ribbon cable

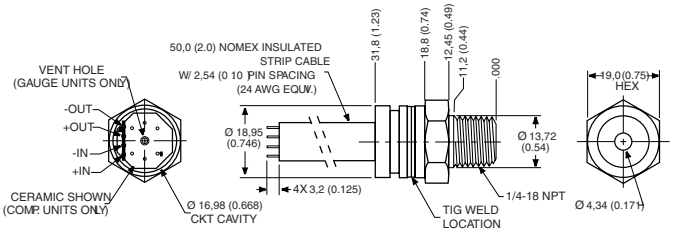
OPTIONS

19 Vacuum Gauge Series - Flush Mount with Flange



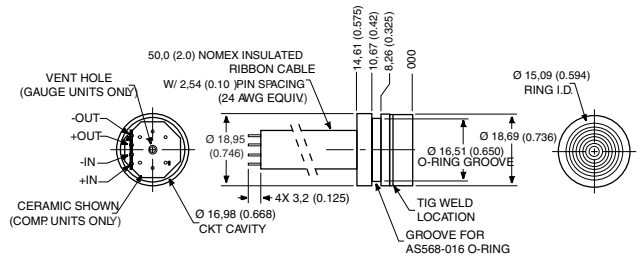
MEASUREMENT	PRESSURE RANGE	REFERENCE
Vacuum Gauge	0 psig to 15 psig	19C015PV3K

1/4 in - 18 NPT



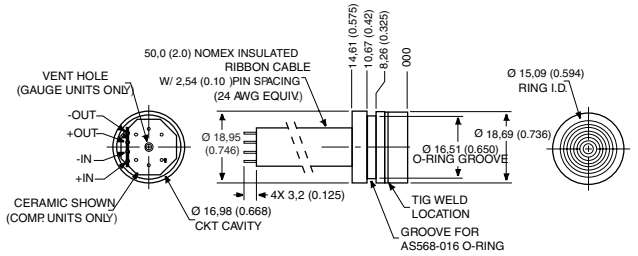
MEASUREMENT	PRESSURE RANGE	REFERENCE
Vacuum Gauge	0 psig to 100 psig	19C100PV5L
Vacuum Gauge	0 psig to 15 psig	19C015PV5L

Cell with Body Ring, 10 Vdc Excitation



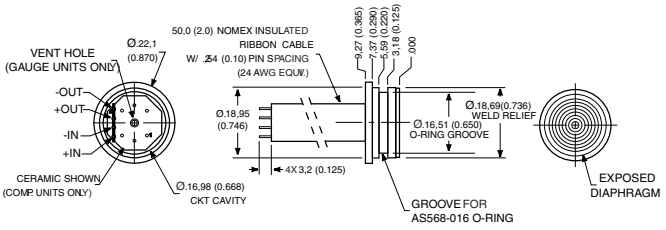
MEASUREMENT	PRESSURE RANGE	REFERENCE
Gauge	0 psig to 15 psig	19C015PG1K
Gauge	0 psig to 5.0 psig	19C005PG1K

Cell with Body Ring, 1.5 mA Excitation



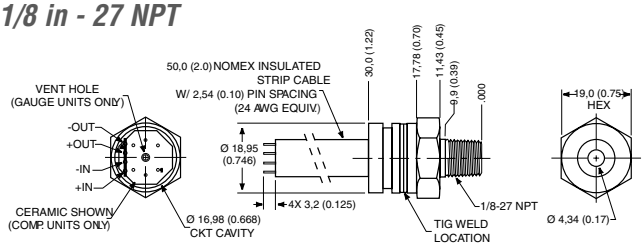
MEASUREMENT	PRESSURE RANGE	REFERENCE
Gauge	0 psig to 100 psig	19C100PG1L
Gauge	0 psig to 300 psig	19C300PG1L
Gauge	0 psig to 3.0 psig	19C003PG1L
Gauge	0 psig to 5.0 psig	19C005PG1L

Flush Mount with Flange



MEASUREMENT	PRESSURE RANGE	REFERENCE
Gauge	0 psig to 5.0 psig	19C005PG3K

1/8 in - 27 NPT



MEASUREMENT	PRESSURE RANGE	REFERENCE
Gauge	0 psig to 15 psig	19C015PG4K
Gauge	0 psig to 300 psig	19C300PG4K

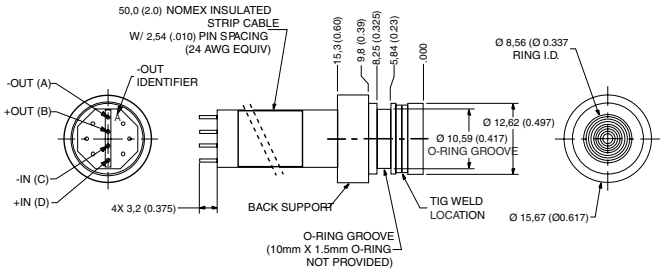
13mm Series

These ICT 13 mm stainless steel devices are designed for high pressure applications that involve measurement of hostile media in harsh environments. This series uses ICT's proven piezoresistive semiconductor sensor chip in an oil-isolated housing with or without an integral ceramic for temperature compensation and calibration. This design has proven to be highly reliable, stable, and accurate.

Supply voltage:	1.5 mA or 10 Vdc
Signal conditioning:	Unamplified
Operating temperature range:	-40 °C to 125 °C (-40 °F to 257 °F)
Compensated temperature range:	0 °C to 82 °C (32 °F to 179 °F)

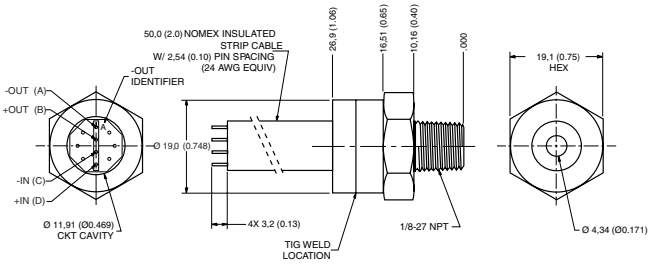
OPTIONS

Compensated Series - Ring with Back Support
50,0 mm (2.0 in) Nomex ribbon cable



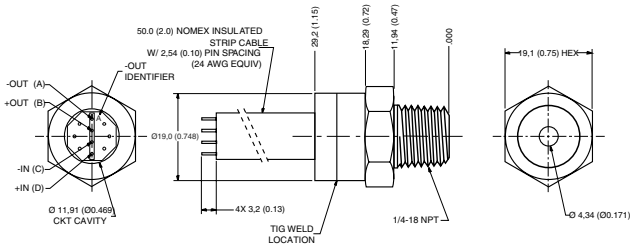
MEASUREMENT TYPE	PRESSURE RANGE	OUTPUT TYPE	REFERENCE
Sealed Gauge	0 psi to 5,000 psi	148 mV to 152 mV	13C5000PS1L
Sealed Gauge	0 psi to 3,000 psi	98 mV to 102 mV	13C3000PS1L
Sealed Gauge	0 psi to 1,000 psi	98 mV to 102 mV	13C1000PS1L

1/8 in - 27 NPT
50,0 mm (2.0 in) Nomex ribbon cable



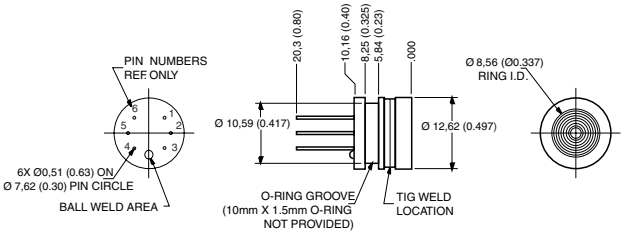
MEASUREMENT TYPE	PRESSURE RANGE	OUTPUT TYPE	REFERENCE
Absolute	0 psi to 5,000 psi	148 mV to 152 mV	13C5000PA4K

1/4 in - 18 NPT
50,0 mm (2.0 in) Nomex ribbon cable



MEASUREMENT TYPE	PRESSURE RANGE	OUTPUT TYPE	REFERENCE
Sealed Gauge	0 psi to 1,000 psi	98 mV to 102 mV	13C1000PS5L
Sealed Gauge	0 psi to 5,000 psi	148 mV to 152 mV	13C5000PS5L
Sealed Gauge	0 psi to 3,000 psi	98 mV to 102 mV	13C3000PS5L

Uncompensated Series
Pin Connector



MEASUREMENT TYPE	PRESSURE RANGE	OUTPUT TYPE	REFERENCE
Absolute	0 psi to 1,000 psi	175 mV to 300 mV	13U1000PA0K
Absolute	0 psi to 5,000 psi	290 mV to 500 mV	13U5000PA0K

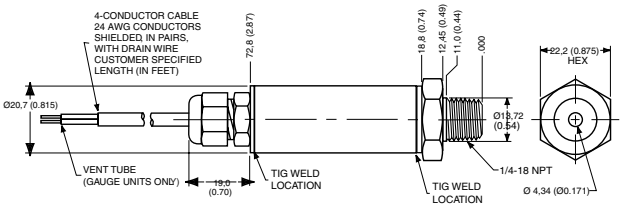
SPT Series

The SPT stainless steel devices are designed for pressure applications that involve measurement of hostile media in harsh environments and will accommodate any media that will not adversely attack 304 or 316 stainless steel wetted parts. The SPT stainless steel devices are rugged and reliable transducers for use in a wide variety of pressure sensing applications where corrosive liquids or gases are monitored.

Signal conditioning: Amplified and unamplified compensated
Compensated temperature range: -10 °C to 85 °C (14 °F to 185 °F)
Operating temperature range: -40 °C to 125 °C (-40 °F to 257 °F)
Measurement type: Absolute, Sealed, and Gauge

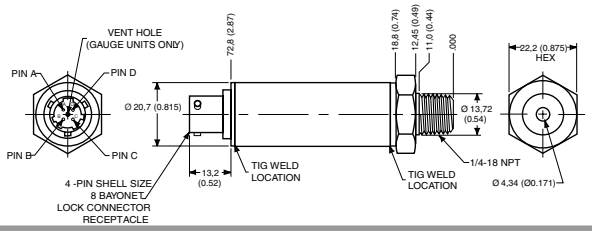
OPTIONS

4mA to 20 mA Output
0,609 m (2 ft) 4-Conductor shielded pairs



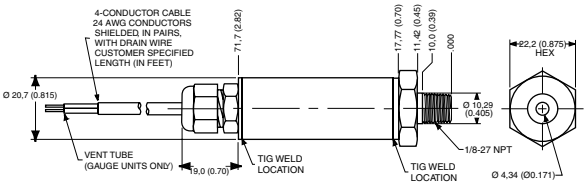
SUPPLY VOLTAGE	PRESSURE RANGE	REFERENCE
12.5 Vdc to 30.0 Vdc	0 psi to 100 psi	STPMA0100PG5W02
12.5 Vdc to 30.0 Vdc	0 psig to 5.0 psig	SPTMA0005PG5W02

1/4 in - 18 NPT - 0 mV to 100 mV Output
Bayonet Connector



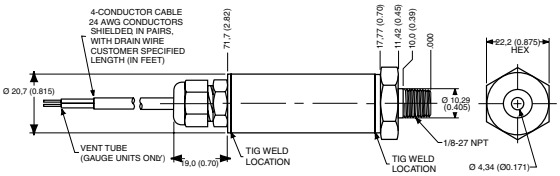
SUPPLY VOLTAGE	PRESSURE RANGE	REFERENCE
10.0 Vdc	0 psig to 100 psig	STPMA0100PG5B

1/8 in - 27 NPT - 0 mV to 100 mV Output
0,609 m (2 ft) 4-Conductor shielded pairs



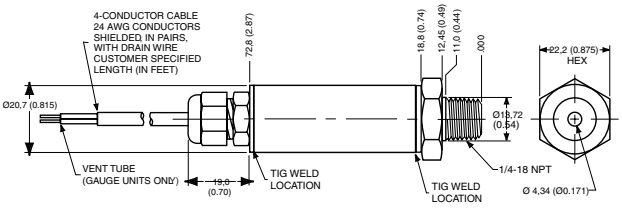
SUPPLY VOLTAGE	PRESSURE RANGE	REFERENCE
10.0 Vdc	0 psi to 100 psi	SPTMV0100PG4W02

1/8 in - 27 NPT
0,609 m (2 ft) 4-Conductor shielded pairs
1.0 Vdc to 5.0 Vdc Output



SUPPLY VOLTAGE	PRESSURE RANGE	REFERENCE
12.0 Vdc to 30.0 Vdc	0 psi to 15 psi	SPT4V0015PG4W02

1/4 in - 18 NPT
0,304 m (1 ft) 4-Conductor shielded pairs
1.0 Vdc to 5.0 Vdc Output

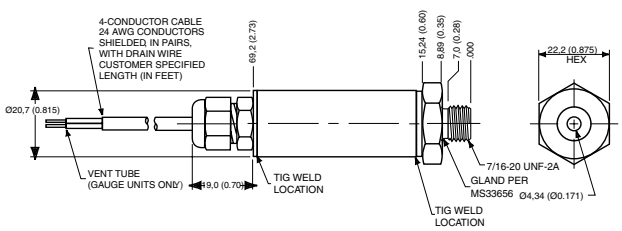


SUPPLY VOLTAGE	PRESSURE RANGE	REFERENCE
12.0 Vdc to 30.0 Vdc	0 psig to 10 psig	SPT4V0010PG5W01

1/4 in - 18 NPT
0,609 m (2 ft) 4-Conductor shielded pairs
1.0 Vdc to 5.0 Vdc Output

SUPPLY VOLTAGE	PRESSURE RANGE	REFERENCE
12.0 Vdc to 30.0 Vdc	0 psi to 100 psi	STP4V0100PG5W02

7/16 in UNF
1.0 Vdc to 5.0 Vdc Output



SUPPLY VOLTAGE	PRESSURE RANGE	REFERENCE
12.0 Vdc to 30.0 Vdc	0 psi to 200 psi	SPT4V0200PG6W02

F1 Series

All F1 pressure transducers are manufactured in our Class 10 clean room environment. Our flow-through pressure transducers are specifically designed for the semiconductor industry. Their long life, coupled with long-term stability, can greatly reduce or eliminate the need for zero and span adjustments. All Honeywell transducers are CE certified with EMI/RFI protection and are manufactured to an electropolished wetted surface finish of 5 micro inch Ra maximum.

Approvals:	CE, FM
Supply voltage:	12 Vdc to 36.0 Vdc
Signal conditioning:	Amplified compensated
Operating temperature range:	-40 °C to 85 °C (-40 °F to 185 °F)
Compensated temperature range:	0 °C to 70 °F (32 °F to 158 °F)

OPTIONS

0 Vdc to 5.0 Vdc Output
1/4 in Male Face Seal Connector
Bendix Male Connector

MEASUREMENT TYPE	PRESSURE RANGE	REFERENCE
Absolute	0 psi to 1,000 psi	F15VM0100AB
Compound	-14.7 psig to 100 psig	F15VMV100CB

4.0 mA to 20.0 mA Output
1/2 in Male Face Seal Connector
1,83 m (6 ft) 2-Conductor Cable

MEASUREMENT TYPE	PRESSURE RANGE	REFERENCE
Compound	-14.7 psig to 250 psig	F14WMV250CP

1/4 in Male Face Seal
Bendix Male Connector

MEASUREMENT TYPE	PRESSURE RANGE	REFERENCE
Compound	-14.7 psig to 100 psig	F14VMV100CB
Compound	-14.7 psig to 250 psig	F14VMV250CB

1/4 in Male Face Seal
1,83 m (6 ft) 2-Conductor Cable

MEASUREMENT TYPE	PRESSURE RANGE	REFERENCE
Gauge	-14.7 psig to 250 psig	F14VM0250GP
Compound	-14.7 psig to 250 psig	F14VMV250CP
Compound	0 psi to 3,000 psi	F14VMV3000CP

1/4 in Male Fixed by Female Face Seal
Bendix Male Connector

MEASUREMENT TYPE	PRESSURE RANGE	REFERENCE
Compound	-14.7 psig to 7.0 psig	F14VPV7BCB

1/4 in Male Fixed by Female Face Seal
1,83 m (6 ft) 2-Conductor Cable

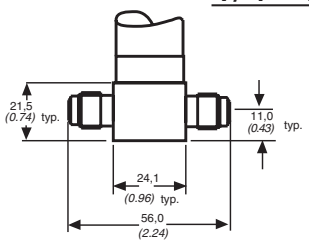
MEASUREMENT TYPE	PRESSURE RANGE	REFERENCE
Compound	-14.7 psig to 100 psig	F14VPV100CP

1/4 in OD 0.035 wall, 1/4 in long tube stub
Bendix Male Connector

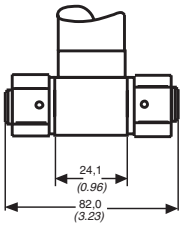
MEASUREMENT TYPE	PRESSURE RANGE	REFERENCE
Compound	-14.7 psig to 100 psig	F14TV4V100CB

OPTIONAL

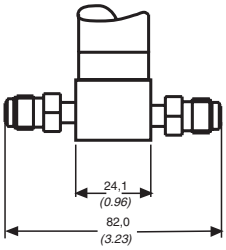
1/4" fittings



1/4 male face seal

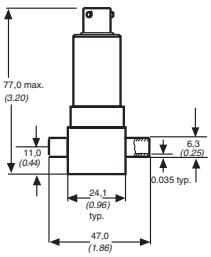


1/4 female face seal

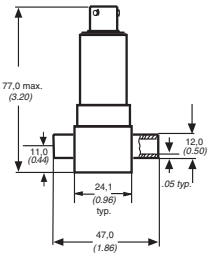


1/4 male face seal swivel

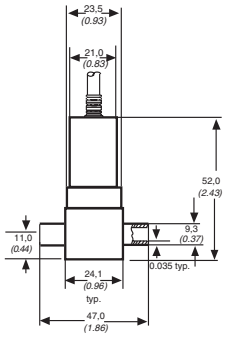
Tube stub ends



1/4 tube stub



1/2 tube stub

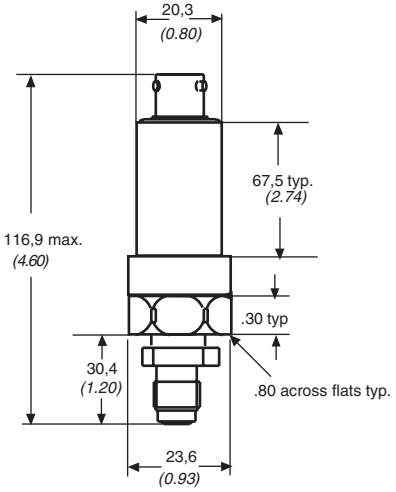


3/8 tube stub

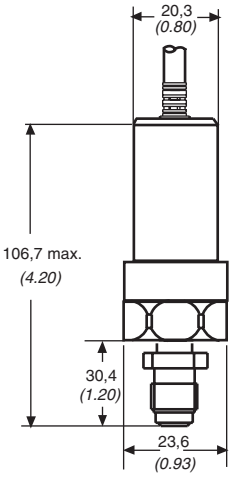
S1 Series

All S1 pressure transducers are manufactured in our Class 10 clean room environment. Our single port pressure transducers are specifically designed for the semiconductor industry. Their long life, coupled with long-term stability, can greatly reduce or eliminate the need for zero and span adjustments. All Honeywell transducers are CE certified with EMI/RFI protection and are manufactured to an electropolished wetted surface finish of 5 micro in Ra maximum.

Approvals:	CE, FM
Supply voltage:	12.0 Vdc to 36.0 Vdc
Signal conditioning:	Amplified compensated
Operating temperature range:	-40 °C to 85 °C (-40 °F to 185 °F)
Compensated temperature range:	0 °C to 70 °C (32 °F to 158 °F)
Output type:	4 mA to 20 mA

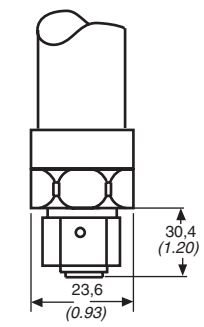


1/4" male swivel with Bendix

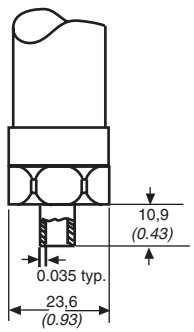


1/4" male swivel with pigtail

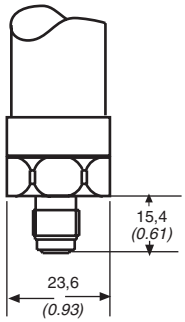
Fitting Options



1/4" female face seal



1/4" tube stub



1/4" male face seal

OPTIONS

VF 1/4 in Female Face Seal Bendix Male Connector

MEASUREMENT TYPE	PRESSURE RANGE	REFERENCE
Compound	-14.7 psig to 100 psig	S14VFV100CB

VM 1/4 in Male Face Seal Bendix Male Connector

MEASUREMENT TYPE	PRESSURE RANGE	REFERENCE
Compound	-14.7 psig to 100 psig	S14VMV100CB
Compound	-14.7 psig to 250 psig	S14VMV250CB

VM 1/4 in Male Face Seal 1,83 m (6 ft) 2-Conductor Cable

MEASUREMENT TYPE	PRESSURE RANGE	REFERENCE
Gauge	0 psi to 3,000 psi	S14VM3000GP
Compound	0 psi to 3,000 psi	S14VMV3000CP

VS 1/4 in Male Face Seal, Swivel Bendix Male Connector

MEASUREMENT TYPE	PRESSURE RANGE	REFERENCE
Compound	-14.7 psig to 100 psig	S14VSV100CB
Compound	-14.7 psig to 250 psig	S14VSV250CB
Compound	-14.7 psig to 100 psig	S14VSV1755BCB
Compound	-14.7 psig to 100 psig	S14VSV210BCB
Compound	-14.7 psig to 100 psig	S14VSV70BCB
Compound	-14.7 psig to 100 psig	S14VSV7BCB

VS 1/4 in Male Face Seal, Swivel 1,83 m (6 ft) 2-Conductor Cable

MEASUREMENT TYPE	PRESSURE RANGE	REFERENCE
Compound	-14.7 psig to 100 psig	S14VSV210BCP
Compound	-14.7 psig to 100 psig	S14VSV70BCP

TLD Series

With space at a premium in semiconductor gas distribution systems, the Series TLD pressure transducer with local display offers an integrated solution that reduces the overall height of the transducer/display assembly to as little as 3.5 in [88,9 mm]. To accomplish this, the transducer's signal amplifier is mounted within the display, with the added benefit of zero and span adjustments conveniently located on the LED display face.

Supply voltage:	12.0 Vdc to 30.0 Vdc
Signal conditioning:	Amplified compensated
Operating temperature range:	-40 °C to 85 °C (-40 °F to 185 °F)
Compensated temperature range:	0 °C to 70 °C (32 °F to 158 °F)
Termination type:	1,83 m (6 ft) 2-conductor cable

OPTIONS

Flow-through/Output Signal 4 mA to 20 mA

MEASUREMENT TYPE	PRESSURE RANGE	CONNECTIONS	REFERENCE
Compound	-14.7 psig to 100 psig	1/4 in. OD 0.035 in. wall, 1/4 in long tube stub	TLDF4CVT4V100CP
Compound	-14.7 psig to 100 psig	1/4 in. female face seal, swivel	TLDF4CVVFV100CP
Compound	-14.7 psig to 100 psig	1/4 in. female face seal, swivel	TLDF4BSVFV100CP

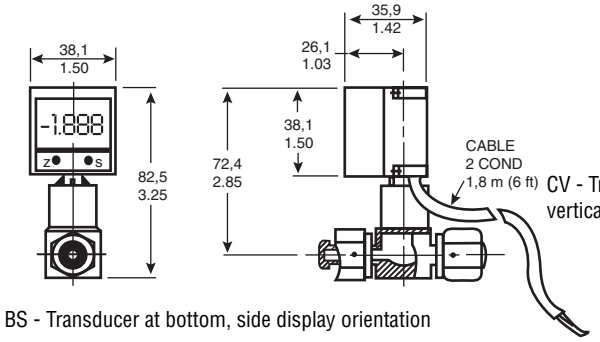
Flow-through/Output Signal 0 Vdc to 5.0 Vdc

MEASUREMENT TYPE	PRESSURE RANGE	CONNECTIONS	REFERENCE
Compound	-14.7 psig to 100 psig	1/4 in. OD 0.035 in. wall, 1/4 in long tube stub	TLDF5CVT4V100CP

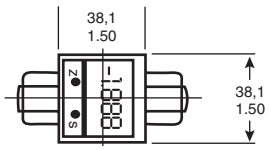
Single Port/Output Signal 4 mA to 20 mA

MEASUREMENT TYPE	PRESSURE RANGE		REFERENCE
Compound	-14.7 psig to 100 psig	1/4 in. female face seal, swivel	TLDS4BNVFV100CP

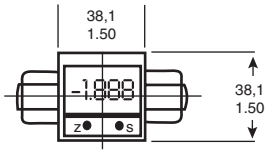
Flow-through display orientation and transducer location



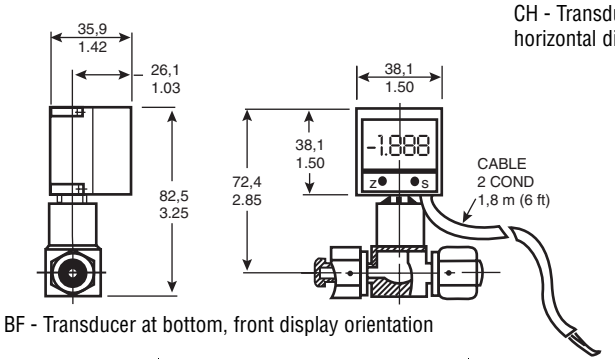
BS - Transducer at bottom, side display orientation



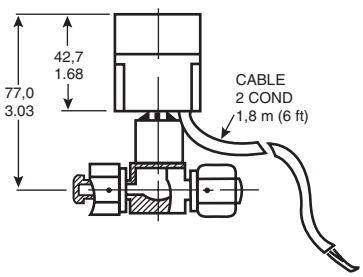
CV - Transducer at center back, vertical display orientation



CH - Transducer at center back, horizontal display orientation

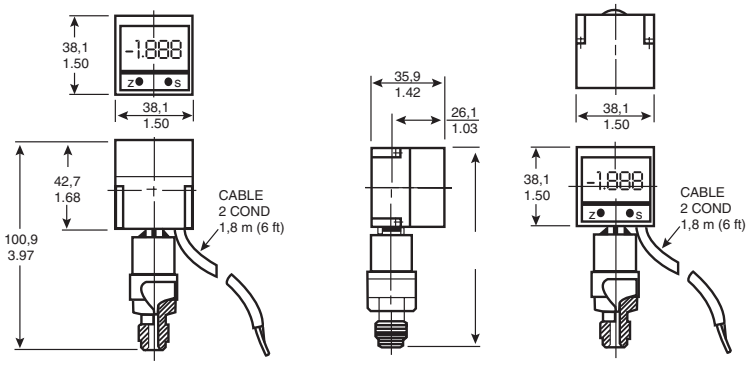


BF - Transducer at bottom, front display orientation



TLD Series (continued)

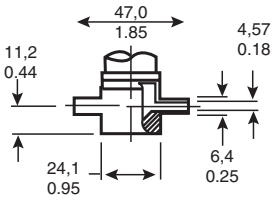
Single port display orientation and transducer location



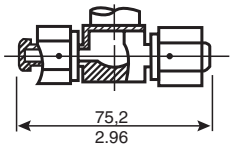
CN - Transducer at center back

BN - Transducer at bottom

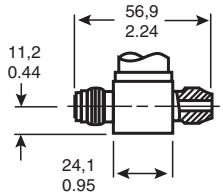
Flow-through connection options



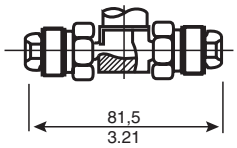
T4 - 1/4 in tube stub



VF - 1/4 in female face seal

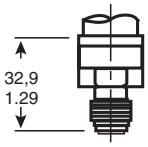


VM - 1/4 in male face seal

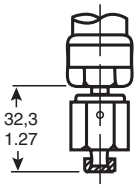


VS - 1/4 in male face seal, swivel

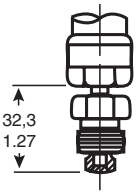
Single port connection options



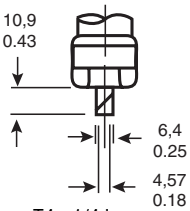
VM - 1/4 in male face seal



VF - 1/4 in female face seal



VS - 1/4 in male face seal, swivel



T4 - 1/4 in tube seal