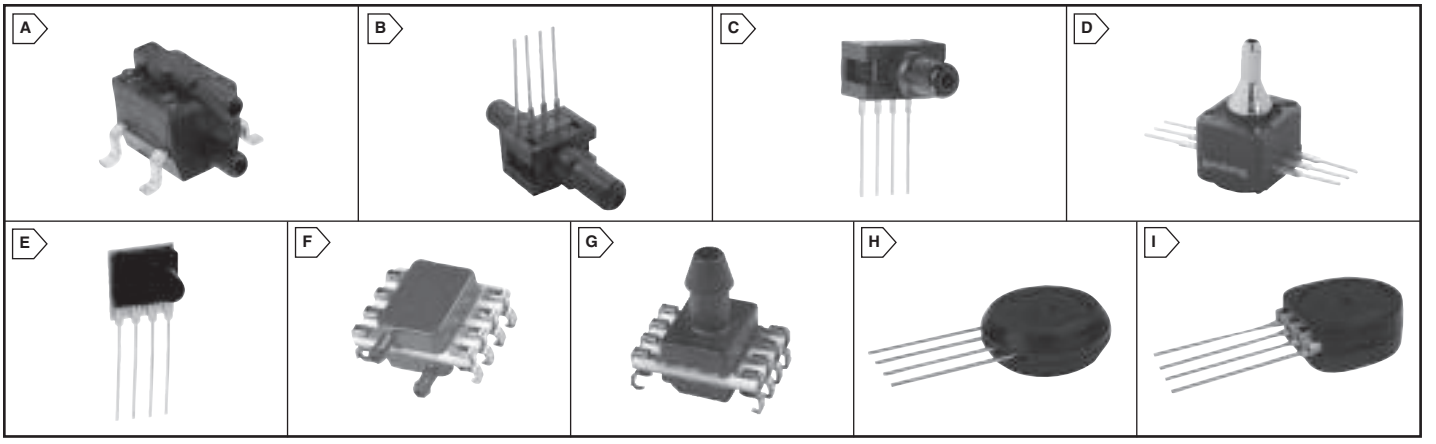
HONEYWELL Pressure Sensors

RoHS Compliant **This product is RoHS compliant.**

Honeywell
Sensing and Control



PIEZORESISTIVE SILICON 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 in the diaphragm and the buried resistors. The resistor values change in proportion to the stress applied and produce an electrical output. These sensors are small, low cost and reliable. They 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.

Potential Medical Applications:
- CPAP (Continuous Positive Airway Pressure) equipment
- Respirators and ventilators
- Blood glucose monitors
- Oxygen conservers
- Oxygen concentrators
- Nebulizers

Potential Industrial Applications:
- Soft drink dispensing

Potential Environmental Applications:
- Residential fuel cells

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Fig.	Pressure Range (psi)	Port Style	Measurement Type	Signal Conditioning	Supply Voltage (max.)	Price Each 1	Price Each 10	Price Each 50
785-24PC01SMT	24PC01SMT	A	±1.0	Straight	Wet-Wet Diff./Vacuum	Unamplified	12.0 Vdc	11.01	9.90	9.53
785-26PC01SMT	26PC01SMT	A	±1.0	Straight	Wet-Wet Diff./Vacuum	Unamplified	16.0 Vdc	15.49	14.00	12.67
785-26PC05SMT	26PC05SMT	A	±5.0	Straight	Wet-Wet Diff./Vacuum	Unamplified	16.0 Vdc	18.73	14.00	12.67
785-26PC15SMT	26PC15SMT	A	±15.0	Straight	Wet-Wet Diff./Vacuum	Unamplified	16.0 Vdc	15.27	14.00	12.67
785-24PCAFA6D	24PCAFA6D	B	±1.0	Straight	Wet-Wet Diff./Vacuum	Unamplified	12.0 Vdc	19.82	16.99	15.98
785-24PCBFA6D	24PCBFA6D	B	±5.0	Straight	Wet-Wet Diff./Vacuum	Unamplified	12.0 Vdc	19.82	16.99	15.98
785-24PCEFA6D	24PCEFA6D	B	±.5	Straight	Wet-Wet Diff./Vacuum	Unamplified	12.0 Vdc	19.83	19.19	18.34
785-26PCAFA6D	26PCAFA6D	B	±1.0	Straight	Wet-Wet Diff./Vacuum	Unamplified	16.0 Vdc	26.92	25.75	24.67
785-26PCBFA6D	26PCBFA6D	B	±5.0	Straight	Wet-Wet Diff./Vacuum	Unamplified	16.0 Vdc	26.92	25.75	24.67
785-26PCBFD6G	26PCBFD6G	B	±5.0	Modular	Vacuum	Unamplified	16.0 Vdc	26.92	25.75	24.67
785-26PCCFA6D	26PCCFA6D	B	±15.0	Straight	Wet-Wet Diff./Vacuum	Unamplified	16.0 Vdc	26.92	25.75	24.67
785-26PCDFA6D	26PCDFA6D	B	±30.0	Straight	Wet-Wet Diff./Vacuum	Unamplified	16.0 Vdc	25.55	25.02	24.88
785-26PCFFA6D	26PCFFA6D	B	±100.0	Straight	Wet-Wet Diff./Vacuum	Unamplified	16.0 Vdc	26.92	25.75	24.67
785-24PCAFA6G	24PCAFA6G	C	±1.0	Straight	Vacuum	Unamplified	12.0 Vdc	19.82	16.99	15.98
785-24PCBFA6G	24PCBFA6G	C	±5.0	Straight	Vacuum	Unamplified	12.0 Vdc	19.82	16.99	15.98
785-24PCCFA6G	24PCCFA6G	C	±15.0	Straight	Vacuum	Unamplified	12.0 Vdc	19.82	16.99	15.98
785-24PCDFA6G	24PCDFA6G	C	±30.0	Straight	Vacuum	Unamplified	12.0 Vdc	19.82	16.99	15.98
785-24PCFFA6G	24PCFFA6G	C	±100.0	Straight	Vacuum	Unamplified	12.0 Vdc	22.00	19.13	18.77
785-24PCGFA6G	24PCGFA6G	C	±250.0	Straight	Vacuum	Unamplified	12.0 Vdc	22.00	19.13	18.77
785-26PCAFA6G	26PCAFA6G	C	±1.0	Straight	Differential	Unamplified	16.0 Vdc	26.92	25.75	24.67
785-26PCBFA6G	26PCBFA6G	C	±5.0	Straight	Differential	Unamplified	16.0 Vdc	26.92	25.75	24.67
785-26PCCFA6G	26PCCFA6G	C	±15.0	Straight	Vacuum	Unamplified	16.0 Vdc	26.92	25.75	24.67
785-26PCCFB6G	26PCCFB6G	C	±15.0	Barbed	Vacuum	Unamplified	16.0 Vdc	26.92	25.75	24.67
785-26PCDFA6G	26PCDFA6G	C	±30.0	Straight	Vacuum	Unamplified	16.0 Vdc	26.92	25.75	24.67
785-26PCFFA6G	26PCFFA6G	C	±100.0	Straight	Vacuum	Unamplified	16.0 Vdc	26.92	25.75	24.67
785-40PC015G1A	40PC015G1A	D	0 to 15.0	Tube	Gage	Amplified	0.25 Vdc	33.24	31.25	28.08
785-40PC100G2A	40PC100G2A	D	0 to 100	Tube	Gage	Amplified	0.25 Vdc	47.00	35.40	33.67
785-40PC150G2A	40PC150G2A	D	0 to 150	Tube	Gage	Amplified	0.25 Vdc	34.58	32.78	31.03
785-40PC500G2A	40PC500G2A	D	0 to 500	Tube	Gage	Amplified	0.25 Vdc	48.77	37.09	32.33
785-CPCL04DFC	CPCL04DFC	E	± 4.0 in H2O	Barbed	Differential	Unamplified	16.0 Vdc	26.78	26.03	25.28

TRUSTABILITY™ SILICON PRESSURE SENSOR HSC SERIES

These devices offer customers three key benefits not found in competitive silicon sensors: Stability: These sensors are the most stable silicon pressure sensors available; Accuracy: They are designed to provide an extremely tight accuracy specification; and Flexibility: Their modular and flexible design offer customers a variety of package styles and options, all with the same industry-leading performance specifications.

These sensors are intended for use with non-corrosive, non-ionic working fluids such as air and dry gases. They are designed to provide digital correction of sensor offset, sensitivity, temperature coefficients and non-linearity. Industry-leading stability helps prevent drift over time or from temperature extremes.

Features:
- Industry leading long-term stability
- Extremely tight accuracy of ±0.25 % FSS BFSL
- Total error band of ±2 % full scale span max.
- Low operating voltage
- Extremely low power consumption
- Ratiometric 12-bit analog output
- RoHS compliant
- Virtually insensitive to mounting direction
- Internal diagnostic functions increase system reliability
- Absolute, differential, gage, and compound types
- Custom calibration available
- Various pressure port options

Potential Medical Applications:
- Airflow monitors
- Anesthesia machines
- Blood analysis machines
- Gas chromatography
- Gas flow instrumentation
- Kidney dialysis machines
- Oxygen concentrators
- Pneumatic controls
- Respiratory machines
- Sleep apnea equipment
- Ventilators

Potential Industrial Applications:
- Barometry
- Flow calibrators
- Gas chromatography
- Glas flow instrumentation
- HVAC
- Life sciences
- Pneumatic controls

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Fig.	Pressure Range	Measurement Type	Signal Conditioning	Supply Voltage (max.)	Price Each 1	Price Each 10	Price Each 50
785-HSCMRNN001BGAA5	HSCMRNN001BGAA5	F	0 to 1 bar	Gage	Amplified	-0.3V to 6.0V	34.85	28.87	26.55
785-HSCMRNN001BG2A5	HSCMRNN001BG2A5	F	0 to 1 bar	Gage	Amplified	-0.3V to 6.0V	34.85	28.87	26.55
785-HSCMRNN001PG2A3	HSCMRNN001PG2A3	F	0 to 1 psi	Gage	Amplified	-0.3V to 6.0V	34.85	28.87	26.55
785-HSCDRRN005PD2A5	HSCDRRN005PD2A5	F	±5 psi	Differential	Amplified	-0.3V to 6.0V	48.69	44.75	41.17
785-HSCDANN150PG2A5	HSCDANN150PG2A5	G	0 to 150 psi	Gauge	Amplified	-0.3V to 6.0V	48.69	44.75	41.17
785-HSCDANN001PGSA5	HSCDANN001PGSA5	G	0 to 1 psi	Gauge	Amplified	-0.3V to 6.0V	48.69	44.75	41.17
785-HSCDANN005PGSA5	HSCDANN005PGSA5	G	0 to 5 psi	Gauge	Amplified	-0.3V to 6.0V	48.69	44.75	41.17
785-HSCMANN100PGAA3	HSCMANN100PGAA3	G	0 to 100 psi	Gauge	Amplified	-0.3V to 6.0V	34.22	32.90	31.54
785-HSCSANN015PA2A3	HSCSANN015PA2A3	G	0 to 15 psi	Absolute	Amplified	-0.3V to 6.0V	48.69	44.75	41.17
785-HSCSANN100PA2A5	HSCSANN100PA2A5	G	0 to 100 psi	Absolute	Amplified	-0.3V to 6.0V	48.69	44.75	41.17
785-HSCSANN150PA2A5	HSCSANN150PA2A5	G	0 to 150 psi	Absolute	Amplified	-0.3V to 6.0V	48.69	44.75	41.17
785-HSCSAAN001PDAA5	HSCSAAN001PDAA5	G	±1 psi	Differential	Amplified	-0.3V to 6.0V	48.69	44.75	41.17
785-HSCMAND015PASA5	HSCMAND015PASA5	G	0 to 15 psi	Absolute	Amplified	-0.3V to 6.0V	52.00	47.28	43.34
785-HSCMAND030PGAA5	HSCMAND030PGAA5	G	0 to 30 psi	Gauge	Amplified	-0.3V to 6.0V	52.00	47.28	43.34
785-HSCSMNN001PDAA3	HSCSMNN001PDAA3	H	±1 psi	Differential	Amplified	-0.3V to 6.0V	57.96	52.70	48.30
785-HSCSSNN001PD2A3	HSCSSNN001PD2A3	I	±1 psi	Differential	Amplified	-0.3V to 6.0V	57.96	52.70	48.30

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