



SSC SERIES PLASTIC SILICON PRESSURE SENSORS

The new TruStability™ Silicon Pressure Sensor HSC Series and SSC Series offer different accuracies and compensated temperature ranges that address specific segment needs. 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:

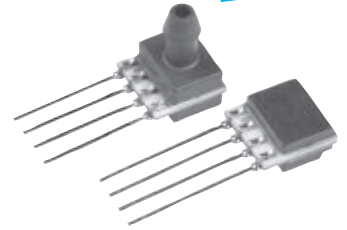
- Industry leading long-term stability
- Extremely tight accuracy of ±0.25 % FSS BFLS
- Total error band of ±2 % full scale span max.
- Low operating voltage
- Extremely low power consumption
- Ratiometric 12-bit analog output
- RoHS compliant
- Virtually insensitive to mounting direction
- Internal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

Potential Applications Medical:

- 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 Applications Industrial:

- Barometry
- Flow calorimeters
- Gas chromatography
- Gas flow instrumentation
- HVAC
- Life sciences



NEW PRODUCT



RoHS Compliant

For quantities of 100 and up, call for quote.

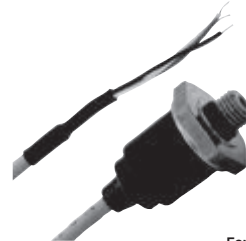
MOUSER STOCK NO.	Honeywell Part No.	Pressure Range	Measurement Type	Signal Conditioning	Supply Voltage	Price Each		
						1	10	50
785-SSCSANN015PAA5	SSCSANN015PAA5	1-15 psi	Absolute	Analog	5Vdc	37.04	34.08	31.35
785-SSCSMNN010KGA5	SSCSMNN010KGA5	0-10 kPa	Gage	Analog	5Vdc	45.60	41.94	38.58
785-SSCSMNN050KGA5	SSCSMNN050KGA5	0-50 kPa	Gage	Analog	5Vdc	45.60	41.94	38.58
785-SSCSMNN100KGA5	SSCSMNN100KGA5	0-100 kPa	Gage	Analog	5Vdc	45.60	41.94	38.58
785-SSCSMNN600MGAF5	SSCSMNN600MGAF5	0-600 mbar	Gage	Analog	5Vdc	45.60	41.94	38.58
785-SSCSSNN001PGAA5	SSCSSNN001PGAA5	0-1 psi	Gage	Analog	5Vdc	45.60	41.94	38.58
785-SSCSSNN015PGAA5	SSCSSNN015PGAA5	0-15 psi	Gage	Analog	5Vdc	45.60	41.94	38.58
785-SSCSSNN100PGAA5	SSCSSNN100PGAA5	0-100 psi	Gage	Analog	5Vdc	45.60	41.94	38.58
785-SSCDRRN005PGAA3	SSCDRRN005PGAA3	0-5 psi	Gage	Analog	3Vdc	37.04	34.08	31.35
785-SSCMRRN100MGAF5	SSCMRRN100MGAF5	0-100 mbar	Gage	Analog	5Vdc	38.57	35.48	32.64
785-SSCSMNN001BGA5	SSCSMNN001BGA5	0-1 bar	Gage	Analog	5Vdc	45.60	41.94	38.58
785-SSCSANN001BGA5	SSCSANN001BGA5	0-1 bar	Gage	Analog	5Vdc	27.89	23.10	22.10
785-SSCSANN001PGAA5	SSCSANN001PGAA5	0-1 bar	Gage	Analog	5Vdc	27.89	23.10	22.10

Honeywell

PRESSURE/FORCE SENSORS

Stainless Steel Media Isolated Sensors

Full line of sensors for use with media compatible with stainless steel. Most sensors use bonded strain gage technology, making them very resistant to the effects of shock, vibration and hostile environments. Measurement types include absolute, gage and sealed gage. A wide variety of pressure ranges, port styles, termination types and outputs is available. Package types range from miniature surface mount sensors to high-end stainless steel isolated transmitters used for stringent process control. All products are fully compensated and tested to meet specifications before shipment.



RoHS Compliant

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MOUSER STOCK NO.	Honeywell Part No.	Pressure Range	Measurement Type	Signal Conditioning	Supply Voltage	Price Each		
						1	10	50
785-MLH01KPSB01B	MLH01KPSB01B	0 to 1000	Sealed Gage	Amplified	9.5 Vdc to 30.0 Vdc	79.80	77.47	76.37
785-MLH03KPSB06A	MLH03KPSB06A	0 to 3000	Sealed Gage	Amplified	5.0 Vdc	98.00	90.83	81.24
785-MLH05KPSB01A	MLH05KPSB01A	0 to 5000	Sealed Gage	Amplified	5.0 Vdc	100.95	93.22	82.12
785-MLH05KPSB01B	MLH05KPSB01B	0 to 5000	Sealed Gage	Amplified	9.5 Vdc to 30.0 Vdc	79.80	77.47	76.37
785-MLH100PGL06A	MLH100PGL06A	0 to 100	Gage	Amplified	5.0 Vdc	102.75	94.85	84.12
785-MLH100PGM01B	MLH100PGM01B	0 to 100	Gage	Amplified	9.5 Vdc to 30.0 Vdc	102.50	94.62	86.65
785-MLH150PGB06A	MLH150PGB06A	0 to 150	Gage	Amplified	5.0 Vdc	104.85	85.33	80.54
785-MLH150PSB01B	MLH150PSB01B	0 to 150	Sealed Gage	Amplified	9.5 Vdc to 30.0 Vdc	73.64	73.51	73.12
785-MLH150PSB06A	MLH150PSB06A	0 to 150	Sealed Gage	Amplified	5.0 Vdc	102.50	94.62	86.65
785-MLH500PSB01A	MLH500PSB01A	0 to 500	Sealed Gage	Amplified	5.0 Vdc	78.23	72.21	67.00

Pressure Sensors

FSS-SMT SERIES FORCE SENSORS

Honeywell's FSS SMT Series force sensors are designed to be one of the most reliable force sensors available as illustrated by 20 million Mean Cycles to Failure (MCTF) rating. This low profile Surface Mount Technology (SMT) sensor allows for automated assembly on printed circuit boards, often helping the customer to reduce assembly costs.

The FSS SMT Series force sensor is designed provide precise and reliable force sensing performance in a compact commercial-grade package. The sensor incorporates Honeywell sensing technology that uses a specialized piezoresistive micro-machined silicon sensing element.

Features:

- Surface mount technology allows for automated assembly and may eliminate hand soldering
- RoHS-compliant materials meet Directive 2002/95/EC
- Low deflection (30 microns typical at full scale) help reduce measurement error
- Direct mechanical coupling of the actuating ball to the sense element
- Small size minimizes space on the PCB
- Provides enhanced sensitivity without compromising system integrity
- Electrically ratiometric output accommodates supply voltage variations

Potential Applications:

- Medical infusion pumps
- Ambulatory non-invasive pump pressure
- Occlusion detection
- Kidney dialysis machines
- Enternal pumps
- Load and compression sensing
- Variable tension control
- Wire bonding equipment



NEW PRODUCT



RoHS Compliant

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MOUSER STOCK NO.	Honeywell Part No.	Operating Force (max)	Sensitivity (mV/N)	Supply Voltage	Operating Temp	Price Each		
						1	10	50
785-FSS1500NGB	FSS1500NGB	14.7 N	10.2 to 14.3	3 to 6V	-40 to 85	40.66	37.40	34.42
785-FSS1500NGT	FSS1500NGT	14.7 N	10.2 to 14.3	3 to 6V	-40 to 85	40.66	37.40	34.42