



## 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 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 Applications Medical:

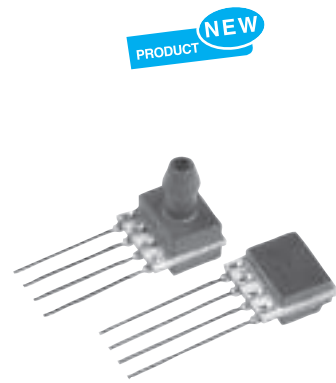
- Airflow monitors
- Anesthesia machines
- Blood analysis machines
- Gas chromatography
- Gas flow instrumentation
- Kidney dialysis machines
- Oxygen concentrators
- Pneumatic controls
- Respiratory machines
- Sleep apnea equipment
- Ventilators

### Potential Applications Industrial:

- Barometry
- Flow calibrators
- Gas chromatography
- Glas flow instrumentation
- HVAC
- Life sciences

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Honeywell Part No.	Pressure Range	Measurement Type	Signal Conditioning	Supply Voltage (Vdc)	Price Each		
						1	10	50
785-SSCDANN015PG2A3	SSCDANN015PG2A3	0-15 psi	Gage	Analog	3	37.04	34.08	32.54
785-SSCDANN030PAA5	SSCDANN030PAA5	0-30 psi	Absolute	Analog	5	37.04	34.08	32.54
785-SSCDANN060PAA5	SSCDANN060PAA5	0-60 psi	Absolute	Analog	5	37.04	34.08	32.54
785-SSCDANN100PAA5	SSCDANN100PAA5	0-100 psi	Gage	Analog	5	37.04	34.08	32.54
785-SSCDRRN015PAA5	SSCDRRN015PAA5	0-15 psi	Absolute	Analog	5	37.04	34.08	32.54
785-SSCDRRN005PGAA3	SSCDRRN005PGAA3	0-5 psi	Gage	Analog	3	37.04	34.08	28.84
785-SSCDRRN015PDA5	SSCDRRN015PDA5	+/- 15 psi	Differential	Analog	5	37.04	34.08	32.54
785-SSCDRRN030PDA5	SSCDRRN030PDA5	+/- 30 psi	Differential	Analog	5	37.04	34.08	32.54
785-SSCMANN060PG2A3	SSCMANN060PG2A3	0-60 psi	Gage	Analog	3	42.43	38.57	35.48
785-SSCMRRN001PG2A3	SSCMRRN001PG2A3	0-1 psi	Gage	Analog	3	42.43	38.57	35.48
785-SSCMRRN005PDA3	SSCMRRN005PDA3	+/- 5 psi	Differential	Analog	3	42.43	38.57	35.48
785-SSCMRRN100MGAF5	SSCMRRN100MGAF5	0-100 mbar	Gage	Analog	5	38.57	35.48	30.03
785-SSCSANN001BGAA5	SSCSANN001BGAA5	0-1 bar	Gage	Analog	5	27.89	26.45	24.55
785-SSCSANN001PGAA5	SSCSANN001PGAA5	0-1 bar	Gage	Analog	6	27.89	26.45	24.55
785-SSCSANN005PGAA3	SSCSANN005PGAA3	0-5 psi	Gage	Analog	3	37.04	34.08	32.54
785-SSCSANN015PAA5	SSCSANN015PAA5	1-15 psi	Absolute	Analog	5	37.04	34.08	28.84
785-SSCSMNN001BGAF5	SSCSMNN001BGAF5	0-1 bar	Gage	Analog	5	45.60	41.94	35.51
785-SSCSMNN010BGAA5	SSCSMNN010BGAA5	0-10 psi	Gage	Analog	5	45.60	41.94	35.51
785-SSCSMNN010KGA5	SSCSMNN010KGA5	0-10 kPa	Gage	Analog	5	45.60	41.94	35.51
785-SSCSMNN030PGAA3	SSCSMNN030PGAA3	0-30 psi	Gage	Analog	3	45.60	41.94	38.58
785-SSCSMNN050KGA5	SSCSMNN050KGA5	0-50 kPa	Gage	Analog	5	45.60	41.94	35.51
785-SSCSMNN060PGAA3	SSCSMNN060PGAA3	0-60 psi	Gage	Analog	3	45.60	41.94	38.58
785-SSCSMNN100KGA5	SSCSMNN100KGA5	0-100 kPa	Gage	Analog	5	45.60	41.94	35.51
785-SSCSMNN100PGAA5	SSCSMNN100PGAA5	0-100 psi	Gage	Analog	5	45.60	41.94	38.58
785-SSCSMNN600MGAF5	SSCSMNN600MGAF5	0-600 mbar	Gage	Analog	5	45.60	41.94	35.51
785-SSCSNBN001PDA5	SSCSNBN001PDA5	+/- 1 psi	Differential	Analog	5	89.71	85.03	78.22
785-SSCSNBN005PDA5	SSCSNBN005PDA5	+/- 5 psi	Differential	Analog	5	89.71	85.03	78.22
785-SSCSNBN015PDA5	SSCSNBN015PDA5	+/- 15 psi	Differential	Analog	5	89.71	85.03	78.22
785-SSCSNBN030PDA5	SSCSNBN030PDA5	+/- 30 psi	Differential	Analog	5	89.71	85.03	78.22
785-SSCSNBN060PDA5	SSCSNBN060PDA5	+/- 60 psi	Differential	Analog	5	89.71	85.03	78.22
785-SSCSNBN100PDA5	SSCSNBN100PDA5	+/- 100 psi	Differential	Analog	5	89.71	85.03	78.22
785-SSCSNBN150PDA5	SSCSNBN150PDA5	+/- 150 psi	Differential	Analog	5	89.71	85.03	78.22
785-SSCSSNN001PGAA5	SSCSSNN001PGAA5	0-1 psi	Gage	Analog	5	45.60	41.94	35.51
785-SSCSSNN015PGAA5	SSCSSNN015PGAA5	0-15 psi	Gage	Analog	5	45.60	41.94	35.51
785-SSCSSNN100PGAA5	SSCSSNN100PGAA5	0-100 psi	Gage	Analog	5	45.60	41.94	35.51

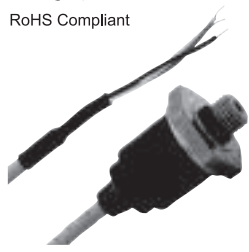


Honeywell Pressure Sensors

## PRESSURE/FORCE SENSORS

### Stainless Steel Media Isolated Sensors

Stainless products. Steeled expertise. Honeywell Sensing and Control (S&C) offers decades of experience in the stainless steel pressure transducers industry. That's why, industry-wide, their transducers are known for enhanced quality, reliability, and service – which adds up to outstanding value for your applications. Most Honeywell S&C transducers take advantage of piezoresistive technology, and are fully steel media isolating with stainless steel or aerospace alloys and no internal elastomeric seals.



785-MLH01KPSB01B	MLH01KPSB01B	0 to 1000	Sealed Gage	Amplified	9.5 to 30.0	79.80	77.47	76.37
785-MLH03KPSB06A	MLH03KPSB06A	0 to 3000	Sealed Gage	Amplified	5.0	98.00	90.83	81.24
785-MLH05KPSB01A	MLH05KPSB01A	0 to 5000	Sealed Gage	Amplified	5.0	100.95	93.22	82.12
785-MLH05KPSB01B	MLH05KPSB01B	0 to 5000	Sealed Gage	Amplified	9.5 to 30.0	79.80	77.47	76.37
785-MLH100PGL06A	MLH100PGL06A	0 to 100	Gage	Amplified	5.0	102.75	94.85	84.12
785-MLH100PGM01B	MLH100PGM01B	0 to 100	Gage	Amplified	9.5 to 30.0	102.50	94.62	86.65
785-MLH150PGB06A	MLH150PGB06A	0 to 150	Gage	Amplified	5.0	104.85	85.33	80.54
785-MLH150PSB01B	MLH150PSB01B	0 to 150	Sealed Gage	Amplified	9.5 to 30.0	73.64	73.51	73.12
785-MLH150PSB06A	MLH150PSB06A	0 to 150	Sealed Gage	Amplified	5.0	102.50	94.62	86.65
785-MLH500PSB01A	MLH500PSB01A	0 to 500	Sealed Gage	Amplified	5.0	78.23	72.21	67.00

## 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.

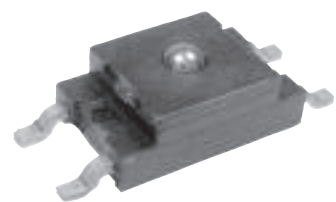
The FSS SMT Series force sensor is designed provide precise and reliable force sensing performance in a compact commercial-grade package. The sensor incorporates Honeywell sensing technology that uses a specialized piezoresistive micro-machined silicon sensing element.

### 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



For quantities of 100 and up, call for quote.

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