



## Differential Pressure Gauge

The Series S2000 differential pressure gauges are low cost, diaphragm operated, mechanical pressure gauges. The S2000 gage can be used in applications for measuring positive, negative, or differential pressure with an accuracy of 2%. Standard applications include monitoring filter status, duct static pressure, room pressure, fan or blower pressure, paint booths, dust collectors, and cabinet purging along with many others.



- Mounts in Industry Standard Holes
- Accuracy 2%
- Die Cast Aluminum Housing

### Specifications

**Pressure Limits:** -20" Hg to 15 PSI (-0.677 bar to 1.034 bar); MP option: 35 PSI (2.41 bar); HP option: 80 PSI (5.52 bar)

**Media Compatibility:** Air and compatible non combustible gasses

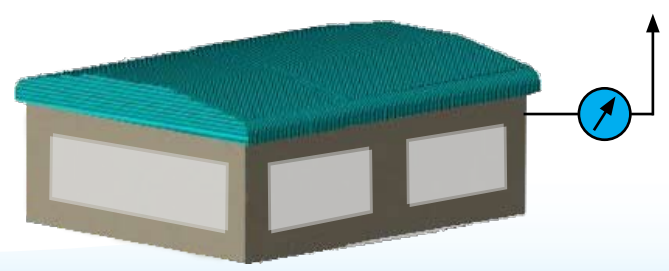
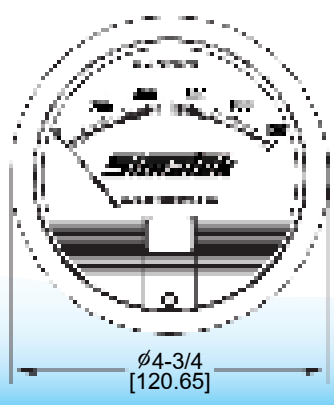
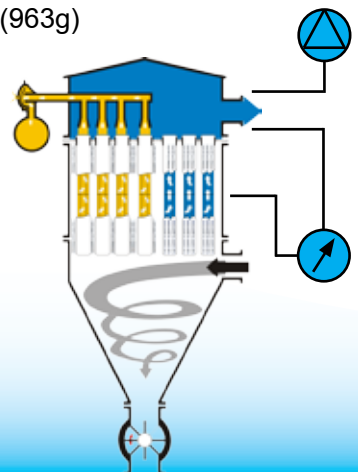
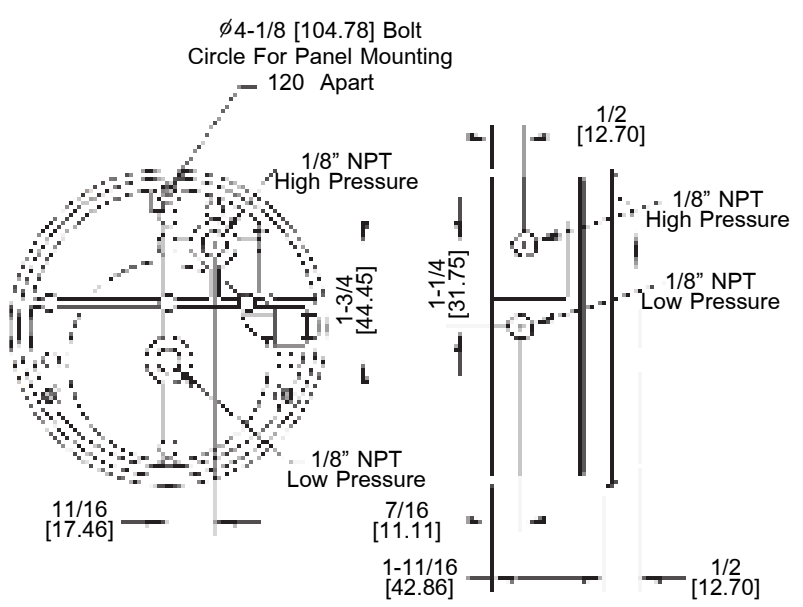
**Accuracy:** +/- 2% full scale (+/-3% on -0 and +/-4% on -00) throughout range at 70° F(21 °C)

**Temperature Range:** 20 to 140° F(-6.7 to 60°C)

**Process Connections:** 1/8" female NPT duplicate high and low pressure taps - one pair side and one pair back.

**Housing:** Die cast aluminum case and bezel, with acrylic cover

**Weight:** 1 lb 2 oz (510 g), MP & HP 2 lb 2oz (963g)



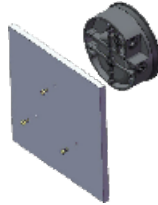


### Installation

- Upon receipt please inspect the instrument for the intended application pressure range
- Install the instrument in a location free from excessive vibration and where the ambient temperature will not exceed 140°F (60°C)
- All standard S2000 gauges are calibrated in the vertical position. To maintain the specified accuracy, the gauge must be mounted in the vertical position.

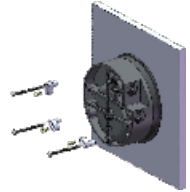
#### Surface Mounting

Drill 3 holes spaced equally apart on a 4- 1/16" diameter circle to match the holes on the back of the gauge. Secure the gauge with 3 mounting screws of suitable length provided.



#### Flush or Panel Mounting

Cut an opening in the panel 4 9/16" in diameter. Put the gauge in the panel cutout, attach adapters, and use the 6 mounting screws provided to fasten the gauge in place.



### Pressure Connections

**Positive Pressure Measurement:** Connect the pressure tubing to either of the "high pressure" ports and plug the one not in use. One or both of the "low pressure ports" should be open to atmospheric pressure.

**Negative Pressure Measurement:** Connect the pressure tubing to either of the "low pressure" ports and plug the one not in use. One or both of the "high pressure" ports should be open to atmospheric pressure.

**Differential Pressure Measurement:** Connect the pressure tubing with the highest pressure to either of the "high pressure" ports and plug the one not in use. Connect the pressure tubing with the lowest pressure to either of the "low pressure" ports and plug the one not in use.

### Zero Adjustment

Zero adjustment can be made after the installation. Use the zero adjusting screw at the bottom of the cover to zero the pointer while both the high and low pressure ports are open to atmospheric pressure.



**SIMATEK CO., LTD.**

20/9 M6, Soi Chatu Chot 4, Chatu Chot Rd.,  
Or-Nerng, Saimai, Bangkok 10220 THAILAND.  
Tel:+66 2974 5630 Fax:+66 2974 5640

www.simatekasia.com www.simatek.co.th  
e-mail : office@simatekasia.com

Model Number	Pressure Range	Model Number	Pressure Range	Model Number	Pressure Range
Inches w.c.		Zero Center Inches w.c.		mm w.c.	
S2000-00	0 – 0.25"	S2300-0	0.25– 0–0.25"	S2000-6MM	0 – 6
S2000-0	0 – 0.5"	S2301	0.5 – 0 – 0.5"	S2000-10MM	0 – 10
S2001	0 – 1"	S2302	1 – 0 – 1 "	S2000-25MM	0 – 25
S2002	0 – 2"	S2304	2 – 0 – 2"	S2000-50MM	0 – 50
S2003	0 – 3"	S2310	5 – 0 – 5"	S2000-100MM	0 – 100
S2004	0 – 4"	S2320	10 – 0 – 10"	S2000-250MM	0 – 250
S2005	0 – 5"	Pa / kPa		Zero Center mm w.c.	
S2006	0 – 6"	S2000-60PA	0 – 60	S2300-12MM	6 – 0 – 6
S2008	0 – 8"	S2000-125PA	0 – 125	S2300-20MM	10 – 0 – 10
S2010	0 – 10"	S2000-250PA	0 – 250	S2300-50MM	25 – 0 – 25
S2015	0 – 15"	S2000-500PA	0 – 500	Dual Scale Inches w.c. and Pa or kPa	
S2020	0 – 20"	S2000-750PA	0 – 750	S2000-00D	0–0.25" / 0 – 60
S2025	0 – 25"	S2000-1 KPA	0 – 1	S2000-0D	0–0.5"/0 – 125
S2030	0 – 30"	S2000-1.5KPA	0 – 1.5	S2001D	0 – 1" / 0 – 250
S2050	0 – 50"	S2000-2KPA	0 – 2	S2002D	0 – 2" / 0 – 500
S2100	0 – 100"	Zero Center Pa		S2003D	0 – 3" / 0 – 750
Options: - ASF Adjustable Signal Flag - CH Chrome Bezel - LT Low Temperature (-20° F)		S2300-60PA	30 – 0 – 30	S2004D	0–4" / 0 – 1000
		S2300-120PA	60 – 0 – 60	S2006D	0 – 6" / 0 – 1.5
		S2300-250PA	125 – 0 – 125	S2008D	0 – 8" / 0 – 2.0
		For other pressure ranges or custom scales, contact factory		S2010D	0 – 10" / 0 – 2.5
				S2020D	0 – 20" / 0 – 5.0

Agent / Distributors :