

Seal-Free Perfluoroalkoxy resin (PFA)  
Pressure Sensor for High Purity Applications

**SE3200/SE3300**



Pressure Sensors for High Purity Fluids

## **Ideal for pressure measurement of ultra-pure water, acids and chemicals**

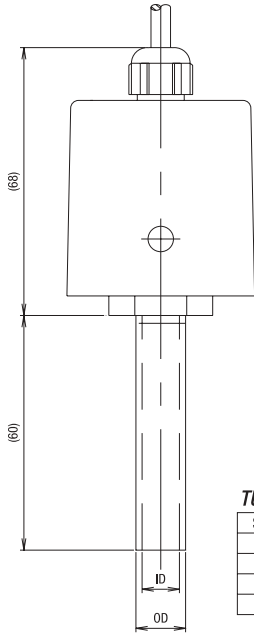
- 1** A new NANO-composite ceramic sensor with unique adhesion to PFA diaphragm
- 2** A single piece “balloon” pressure structure eliminates contamination from seals
- 3** Wide pressure range available, from vacuum measurements to a maximum of 150psi
- 4** Built-in temperature compensated sensor electronics
- 5** Built-in leak indicator at electronics enclosure
- 6** Wetted parts with high purity PFA
- 7** CE compliance

**TEM-TECH LAB. Co.,Ltd**

Contact to: [hello@tem-tech.co.jp](mailto:hello@tem-tech.co.jp)

# One Piece PFA Pressure Sensor

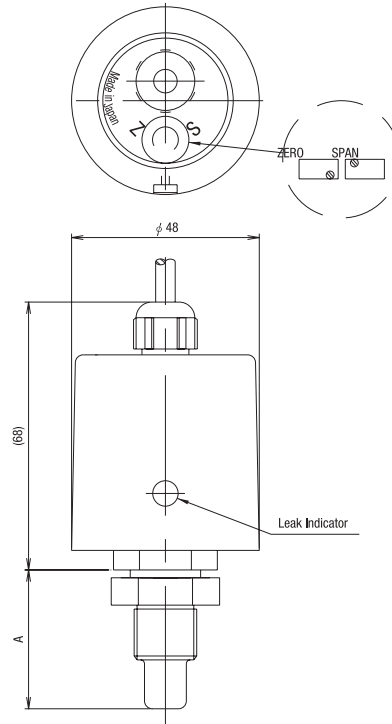
SE3200-□□□-P□-□□□□□



TUBE CONNECTION

SIZE	OD	ID
1/4"	6.35	3.96
3/8"	9.53	6.38
1/2"	12.70	9.55
3/4"	19.05	15.90

SE3200-□□□-F□-□□□□□



FLARED CONNECTION

SIZE	A
1/4"	41
3/8"	43
1/2"	45
3/4"	42

Patent — Japan: #3410711 U.S: #6,474,169  
#328634

<b>Application</b>	Chemicals (acid, alkali, solvent), Ultra pure water *1	
<b>Measurement Range</b>	0 (-14.7) to 150psi (Gauge, Compound pressure)	
<b>Proof Pressure</b>	0 to 50 psi: 110psi, 0 to 75 psi: 110psi, 0 to 150psi: 180 psi	
<b>L.H.R.*2</b>	+/- 1%F.S (std 25 degree C)	
<b>Output Signal</b>	4-20mA	1-5V, 0-5V, 0-10V
<b>Supply Voltage</b>	DC 24V	DC15-24V
<b>Operating Temp.</b>	0 to 80 Degree C	
<b>Compensated Temp.</b>	15 to 40 Degree C	
<b>Thermal Effect</b>	+/- 0.5% FS/Degree C within compensated Temp.	
<b>Process Connection</b>	Tube, Flared, PT, NPT, Super Pillar	
<b>Enclosure Protection</b>	IP 55 Compatible	
<b>Construction Materials</b>	Diaphragm, Wetted part: New PFA, Electrical enclosure: P.P	

note: \*1 Media should be compatible with PFA.  
\*2 Linearity, Hysteresis, Repeatability  
\* Specifications is subject to change without notice.

## ORDERING INFORMATION (Example: SE3200-420-P1-050PG)

SE	Type	Output	Fitting Type	Fitting Size	Range	Measure	Pressure
3200	Single Ended	420 4-20mA	P Tube	1 1/4"	050 50	P psi	G Gage Pressure
3300	Flow Through	005 0-5V	F Flared	2 3/8"	075 75	K Kg/cm <sup>2</sup>	C Compound Pressure
		105 1-5V	R R (PT)	3 1/2"	100 100	M Mpa	
		010 0-10V	N NPT	4 3/4"	145 145		
			S Super Pillar	5 Others			