

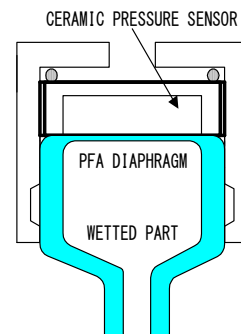
# SE3201 SE3301 series

Seal-Free PFA Pressure Sensor  
for Wet Processes

## One Body PFA sensor



### BALLOON STRUCTURE

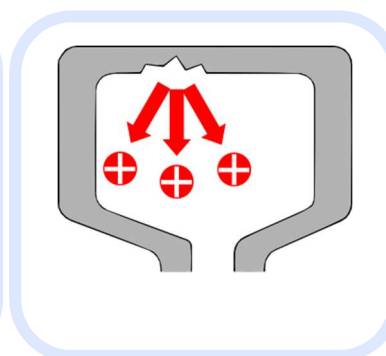


Patent - Japan: #3410711  
#3328634  
U.S.: #6474169

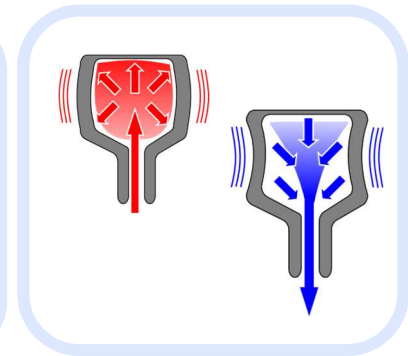
PFA Pressure Sensor in a single piece design provides reliable pressure measurement in high purity and corrosive chemicals



➤ O-ring Free



➤ Metal Free

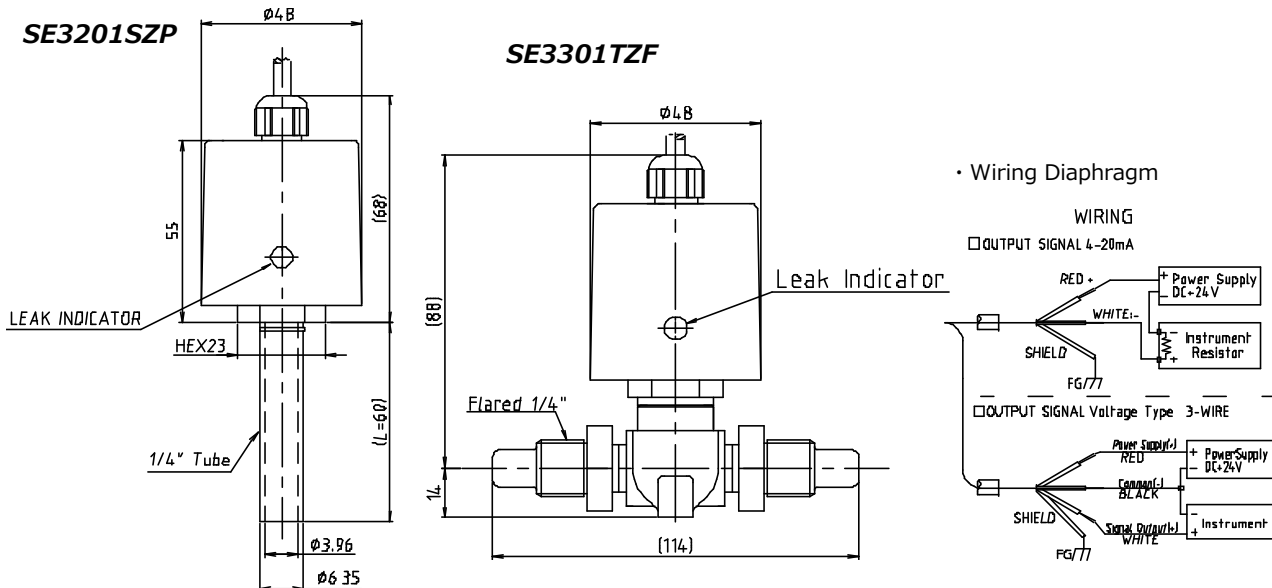


➤ Negative Pressure Measurement with One body structure

- The unit in balloon design instrumental in embracing PFA diaphragm into ceramic structure.
- A single piece “balloon” structure eliminates any potential leaks due to O-ring seals.
- Wetted parts with high purity PFA.
- Built-in leak indicator at electronics enclosure.

*Tem-Tech Lab*

Reference Drawing



主な仕様

Application	Any fluids compatible with PFA (eg. Chemicals, Ultra-pure water)		
Pressure Range	0.3MPa	0.5MPa	1MPa
Proof Pressure	0.75MPa	0.75MPa	1.25MPa
Shape	Single Ended Type(3201S)、Flow Through Type(3301T)		
Accuracy	±1%FS(std25°C) *Includes Linearity, Repeatability, Hysteresis		
Output Signal	4-20mA (2 wires)	0-5V / 1-5V / 0-10V (3 wires)	
Power Supply	DC24V ±10%	DC15V-24V	
Compensated temperature	15-40°C		
Operating Temperature	0-80°C		
Thermal Effect	±0.5%FS/°C(15-40°C)		
Materials	Wetted Materials (Diaphragm, Wetted parts): PFA, Electrical enclosure: PP		
Enclosure Protection	IP55 compatible		
Leak Integrity	<math>3 \times 10^{-8}</math>Pam <sup>3</sup> /sec		
Fitting	Tube, PT, NPT, Flared, Super 300		
Fitting Size	1/4", 3/8", 1/2", 3/4", 1"		
Connector	Pigtail (Non-detachable), Socket Connector, Water Proof Connector		
Leak Indicator	Change color by atmosphere of acidity or alkalinity and notify replacement time.		
Cable	3m length standard cable		

Ordering Information

Model	Fitting Shape	Fitting Type
SE3201S Single ended	M Fixed Male (R, N)	P Tube
SE3301T Flow through	Z Others (P, F, 3)	F Flared
		3 Super 300
		R R(PT)
		N NPT

Output	Connector	Fitting Size
420 4-20mA	P Pigtail	C1 1/4"
005 0-5V	A AMP Connector	C2 3/8"
010 0-10V	M Molex Connector	C3 1/2"
105 1-5V	W WITCO Connector (Water Proof)	C4 3/4"
		C6 1"



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\* Specifications are subject to change without notice.

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