

Pressure transmitter
for liquid chemicals & slurry

PFA Diaphragm
For Semiconductor Industry

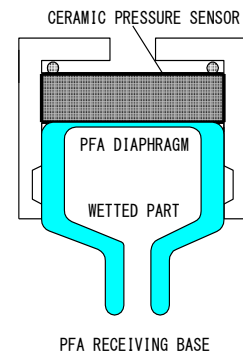
Model: SE3000

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One Body PFA sensor

BALLOON STRUCTURE



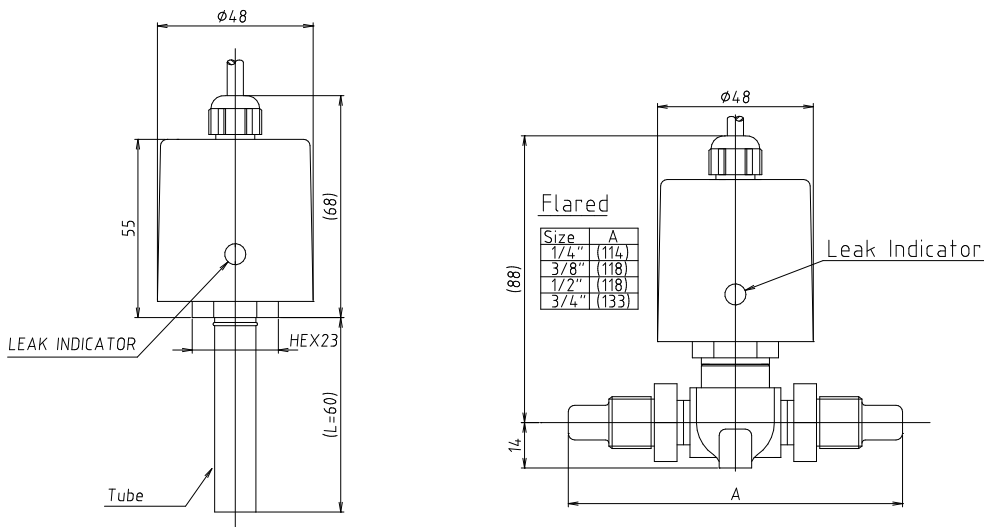
- ✓ **Balloon structure of PFA single piece applied (O-ring free)**
- ✓ **PFA Diaphragm for protection against corrosion**
- ✓ **Flow-through or single-ended shape selectable**

- Solves contamination, ion, and negative pressure measurement problems due to balloon structure
- Ideal model for measuring pressure of strong acid and alkaline
- 1MPa measuring available by durable diaphragm design
- Leak indicator notifies the replacement period

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Applications	Chemical liquid, ultra-pure water, strong acid and alkaline materials compatible with wetted parts		
Model	SE3000 Series		
Shape	Single-ended or Flow though		
Fitting Shape	Tube, Flared, Super 300		
Fitting size	1/4", 3/8", 1/2", 3/4", 1"		
Wetted parts	Diaphragm: PFA, wetted part: PFA, upper case: polypropylene		
Base pressure range	0 to 0.3, 0.5, 1 MPa		
Proof pressure	0.3, 0.5 MPa: 0.75 MPa, 1 MPa: 1.25 MPa		
Power supply	DC24 V±10%		DC15~24 V
Output signal	4~20 mA DC (2-pin)		0~5 VDC, 1~5 VDC (3-pin)
Accuracy	±1%F.S. (including linearity, hysteresis and repeatability)		
Operating temp. range	15~40℃ (No freezing or condensation)		
Storage temp. range	0~80℃ (No freezing or condensation)		
Thermal effect	±0.5 %F.S./℃		
IP rating	IP55 ※Indoor use only		
Cable connector	Pigtail		
Accessory cable	3 m Standard (2 wires + Shield)		3 m Standard (3 wires + Shield)
Leakage test	<3×10 ⁻⁸ Pa·l/sec		
Leak indicator	Leak indicator changes color and notifies the replacement timing. ※1		
Power consumptions	0.5W or less		
Weight	Approx. 110 g		

※All features and specifications are subject to change without notice. ※1 Please note that leak indicator does not guarantee the performance of the sensor.

◀ ordering code example : SE3000

Shape		Fitting Shape		Fitting		Output signal		Signal connector		Fitting size	
SE3201S	Single-ended	Z	other (P, F, 3)	P	Tube	420	4-20mA	P	Pigtail	C1	1/4"
SE3301T	Flow though			F	Flared	005	0-5V			C2	3/8"
				3	Super 300	105	1-5V			C3	1/2"
										C4	3/4"
										C6	1"

Tem-Tech Lab.

Tem-Tech Lab. Co., Ltd.
Headquarters : Million Commercial Trade Bldg 5-26-7 Toyo Koto-city, Tokyo 135-0016 Japan
TEL: +81 3-3534-5320
FAX: +81 3-3534-5322

URL: <https://www.tem-tech.co.jp> Email: sales@tem-tech.co.jp

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