

PRESSURE TRANSDUCER

P-8305

FEATURES

- SUS diaphragm type low pressure transducer (10kPa)
- Double diaphragm structure
- Built-in temperature compensation (0 ~ 50 degrees C)



MODEL NUMBER DISIGNATION

P - 8 3 0 5 - 1 0 1 G

Series name

Rated pressure range
101 : 0 ~ 10 kPa

Pressure reference
G : Gauge

LIST OF MODEL NUMBERS

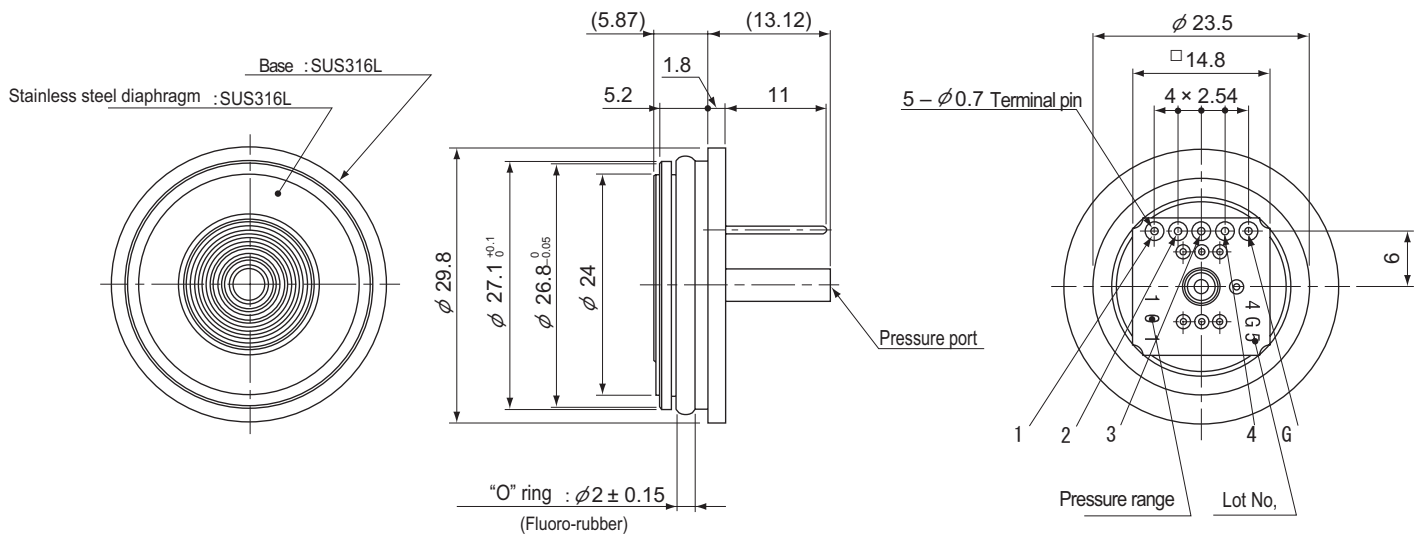
Pressure reference	Gauge
Rated pressure	0 ~ 10 kPa
Model number	P-8305-101G

STANDARD SPECIFICATIONS

Item		Model number	P-8305	
			101G	
General specifications	Pressure reference		Gauge	
	Rated pressure range	kPa	0 ~ 10	
	Maximum pressure	kPa	30	
	Bread-down pressure	kPa	100	
	Operating temp. range	°C	– 20 ~ 70	
	Compensated temperature	°C	0 ~ 50	
	Pressure medium		Corrosive gases lique compatible with SUS316L	
	Bridge resistance	Ω	4700 ± 30 %	
	Sealed liquid		Silicon oil	
	Net weight		g	Approx. 25
Power	Supply current	mA DC	1.5 (Rated current)	
Analog output	Offset voltage		m V	± 3
	Span voltage		m V	25 ± 10
	Linearity / Hesteresis		%F.S.	± 0.3
	Thermal error (at 25 °C)	ZERO %F.S./°C		± 0.06
		SPAN %F.S./°C		± 0.04
	Response		ms.	Approx. 2
	Gravitational effect		%F.S.max.	± 0.5

● OUTLINE DIMENSIONS

Unless otherwise specified tolerance : ± 0.5 (Unit: mm)



Wire color	Connection
1	Output B
2	Output C
3	Input C
4	Input B
G	GND