

**Features**

- Low pressure measurable ( $\pm 1\text{kPa}$ ,  $\pm 2\text{kPa}$ ,  $\pm 5\text{kPa}$ )
- Volt level output
- Piggy-back style, pre-amplified and pre-compensated module
- Pre-calibration of offset voltage and span

**Applications**

- Industrial instrumentation
- Pressure switch, Pneumatic device
- Medical device
- HVAC
- Pressure leak down check

**Part number for ordering**

**PSM - 005KP G**

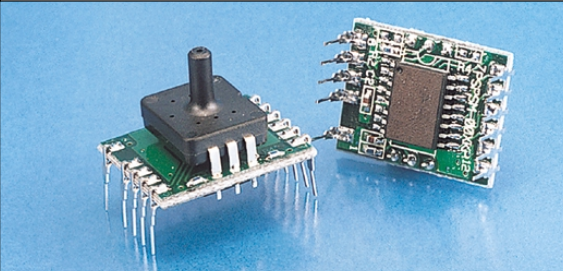
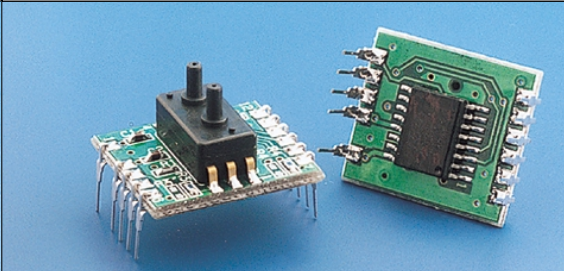
Model  
PSM

Rated pressure(Pa)

Pressure type

GW : Gauge(Bipolar pressure)

DW : Differential(Bipolar pressure)

Pressure type	Gauge pressure PSM-G	Differential pressure PSM-D
Model		
Package configuration	Piggy-back style module	Piggy-back style module

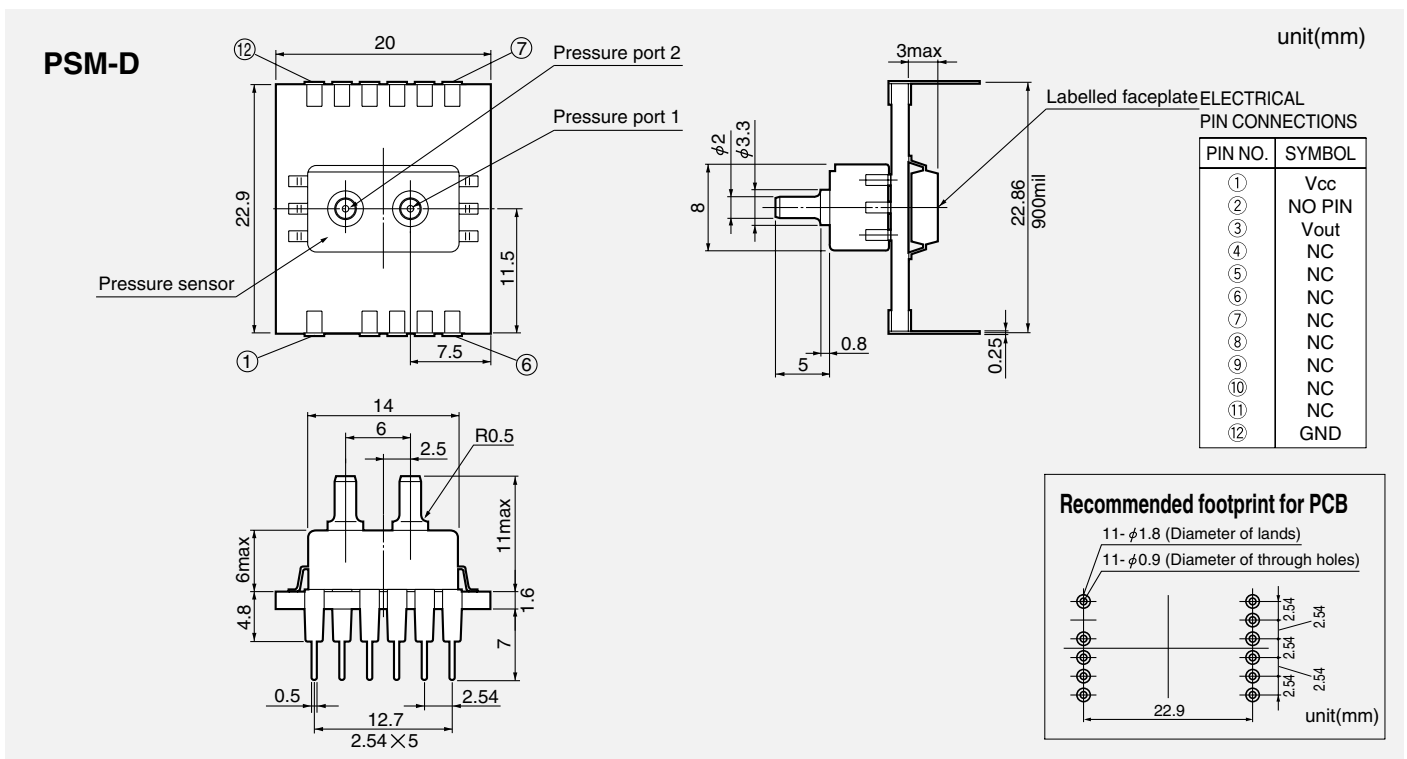
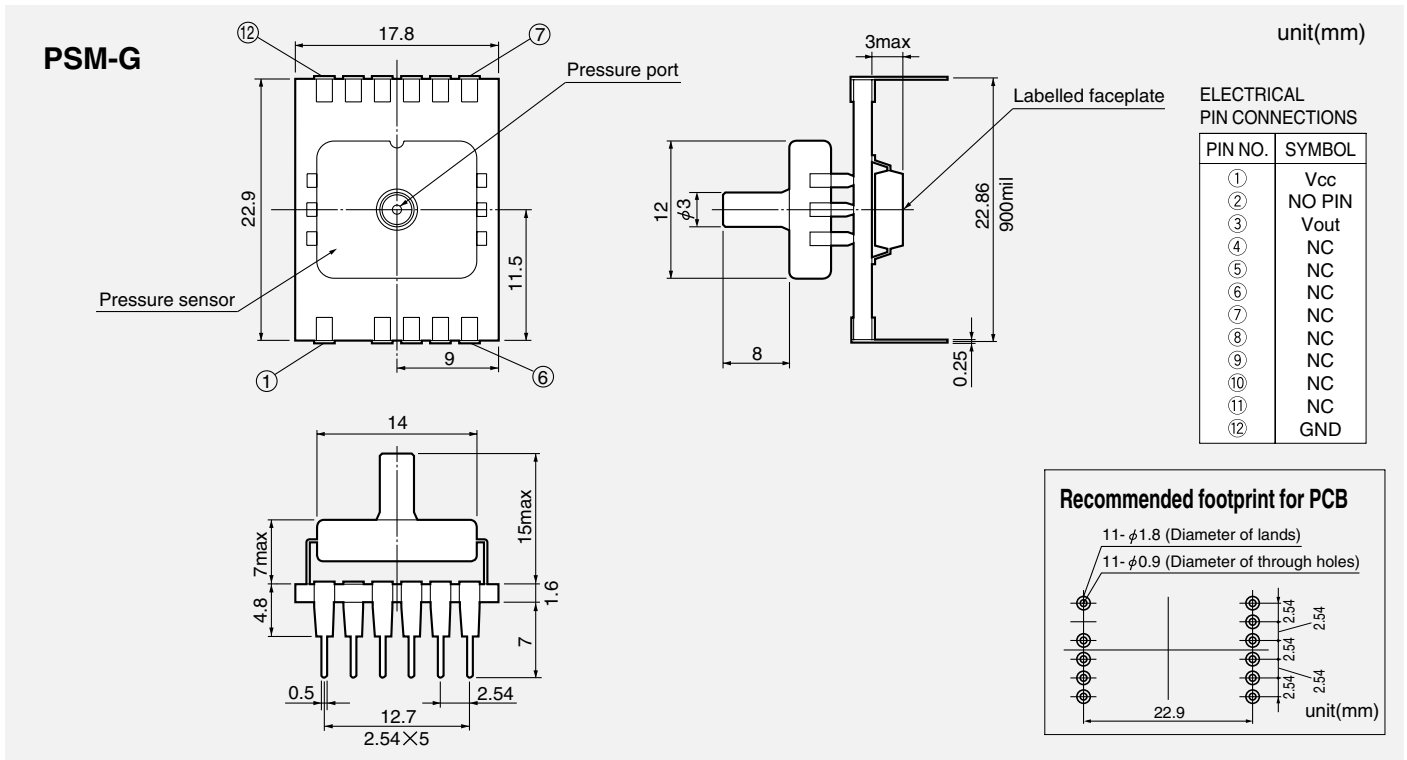
Measurable pressure range (kPa)	Part number for ordering	
-1~1	PSM-001KPGW	PSM-001KPDW
-2~2	PSM-002KPGW	PSM-002KPDW
-5~5	PSM-005KPGW	PSM-005KPDW

**Specifications**

Model/Rated pressure	001KPGW	002KPGW	005KPGW	001KPDW	002KPDW	005KPDW	Unit
<b>Recommended operating conditions</b>							
Pressure type	Gauge pressure			Differential pressure			—
Rated pressure	$\pm 1$	$\pm 2$	$\pm 5$	$\pm 1$	$\pm 2$	$\pm 5$	kPa
	$\pm 10$	$\pm 20$	$\pm 51$	$\pm 10$	$\pm 20$	$\pm 51$	g/cm <sup>2</sup>
Measurable pressure range	-1~1	-2~2	-5~5	-1~1	-2~2	-5~5	kPa
Pressure media ※1	Non-corrosive gas only						—
Excitation voltage	5 $\pm$ 0.25						VDC
<b>Absolute maximum rating</b>							
Maximum load pressure	27						kPa
Maximum excitation voltage	8						VDC
Operating temperature	-20~100						°C
Storage temperature	-40~120						°C
Operating humidity	30~80 (No dew condensation)						%RH
<b>Electric performances/characteristics (Excitation voltage Vcc=5.0V constant, Ambient temperature Ta=25°C)</b>							
Current consumption	less than 5						mA
Mechanical response time	less than 2						msec
Output voltage※1,2	0.5(-1kPa) ~ 4.5(+1kPa)	0.5(-2kPa) ~ 4.5(+2kPa)	0.5(-5kPa) ~ 4.5(+5kPa)	0.5(-1kPa) ~ 4.5(+1kPa)	0.5(-2kPa) ~ 4.5(+2kPa)	0.5(-5kPa) ~ 4.5(+5kPa)	V
Full scale span voltage※2	4.0						V
Offset voltage※1,2	2.5 $\pm$ 0.2	2.5 $\pm$ 0.12	2.5 $\pm$ 0.08	2.5 $\pm$ 0.2	2.5 $\pm$ 0.2	2.5 $\pm$ 0.12	V
Full scale span voltage※1,2	4.5 $\pm$ 0.2	4.5 $\pm$ 0.12	4.5 $\pm$ 0.08	2.5 $\pm$ 0.2	4.5 $\pm$ 0.2	4.5 $\pm$ 0.12	V
Accuracy※2	$\pm 5.0$	$\pm 3.0$	$\pm 2.0$	2.5 $\pm$ 0.2	$\pm 5.0$	$\pm 3.0$	%FS/0~50°C

Note ; ※1)Output refers to pressure at pressure port 2.  
 ※2)Excluding input voltage error.

■ Outline dimensions ■



Note ; Please read instruction "Notes" before using the sensor.  
Fujikura reserves the right to change specifications without notice.

**Fujikura Ltd.**

If you have any questions regarding technical issues or specifications, please contact us.  
Sensor Engineering Department 5-1 Kiba 1-chome, Koto-ku, Tokyo 135-8512, Japan  
Phone +81-(0)3-5606-1072 Fax. +81-(0)3-5606-1538  
E-mail : sensor@fujikura.co.jp