

Features

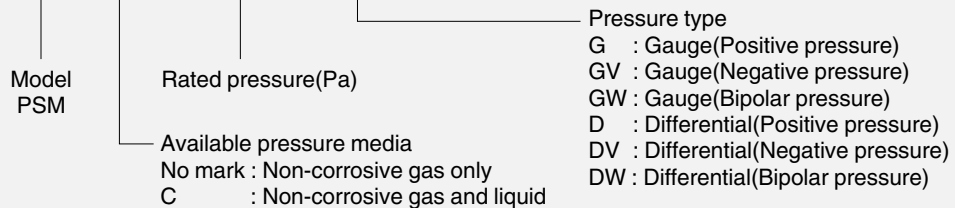
- Accuracy, $\pm 1.0\%$ FS
- Volt level output
- Piggy-back style, pre-amplified and pre-compensated module
- Pre-calibration of offset voltage and span

Applications

- Industrial instrumentation
- Pressure switch, Pneumatic device
- Medical device

Part number for ordering

PSM C - 005KP G



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

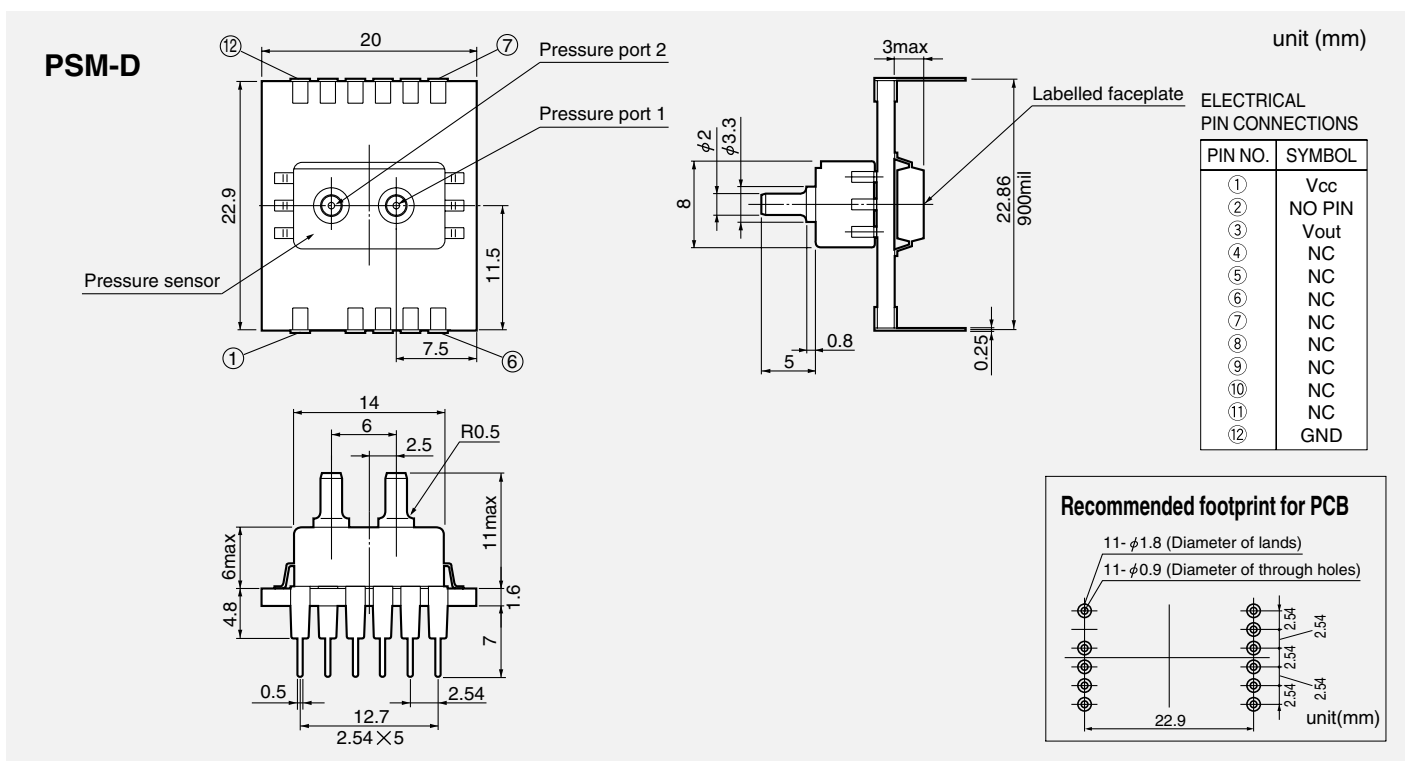
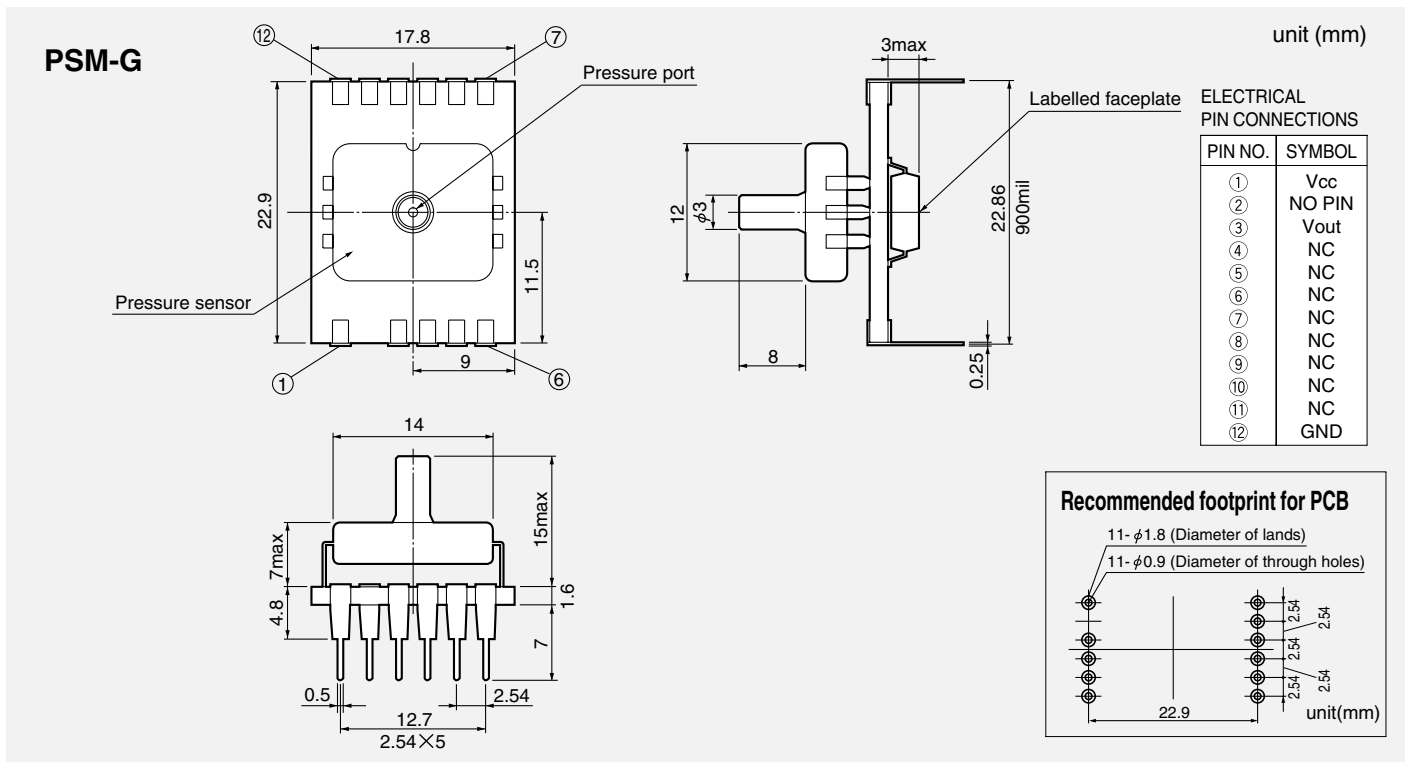
Measurable pressure range (kPa)	Part number for ordering		
-100~100	PSM-100KPGW	PSMC-100KPGW	PSM-100KPDW
0~-100	PSM-100KPGV	PSMC-100KPGV	PSM-100KPDV
0~50	PSM-050KPG	PSMC-050KPG	PSM-050KPD
0~100	PSM-100KPG	PSMC-100KPG	PSM-100KPD
0~200	PSM-200KPG	PSMC-200KPG	PSM-200KPD

Specifications

Model/Rated pressure	100KPGW 100KPDW	100KPGV 100KPDV	050KPG 050KPD	100KPG 100KPD	200KPG 200KPD	Unit
Recommended operating conditions						
Pressure type	Gauge pressure					—
Rated pressure	± 100	-100	50	100	200	kPa
	± 1020	-1.020	0.510	1.020	2.040	kg/cm ²
Measurable pressure range	100~100	0~-100	0~50	0~100	0~200	kPa
Pressure media※1	PSM : Non-corrosive gas only, PSMC : Non-corrosive gas and liquid					—
Excitation voltage	5 \pm 0.25					VDC
Absolute maximum rating						
Maximum load pressure	Twice of rated pressure					
Maximum excitation voltage	8					VDC
Operating temperature	-20~100					°C
Storage temperature	-40~120					°C
Operating humidity	30~80 (No dew condensation)					%RH
Electric performances/characteristics (Excitation voltage Vcc=5.0V constant, Ambient temperature Ta=25°C)						
Current consumption	less than 5					mA
Mechanical response time	2 (For the reference)					msec
Output voltage ※2, ※3	0.5 (-100kPa) ~ 4.5 (100kPa)	0.5 (0kPa) ~ 4.5 (-100kPa)	0.5 (0kPa) ~ 4.5 (50kPa)	0.5 (0kPa) ~ 4.5 (100kPa)	0.5 (0kPa) ~ 4.5 (200kPa)	V
Full scale span voltage※3	4.0					V
Offset voltage ※2, ※3	0.5 \pm 0.04					V
Full scale span voltage ※2, ※3	4.5 \pm 0.04					V
Accuracy ※3	± 1.0					%FS/0~50°C

Note ; ※1) Please consult us available liquid pressure media when you choose the C models.
 ※2) Output refers to pressure at pressure port 2.
 ※3) 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.
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