

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

Model
PSM

Rated pressure(Pa)

Available pressure media

No mark : Non-corrosive gas only

C : Non-corrosive gas and liquid

Pressure type

G : Gauge(Positive pressure)

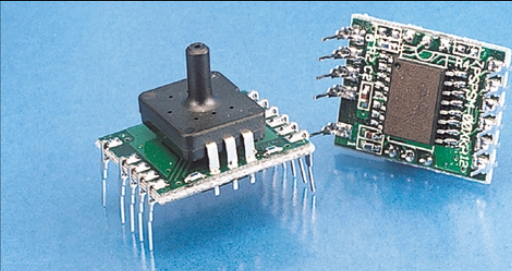
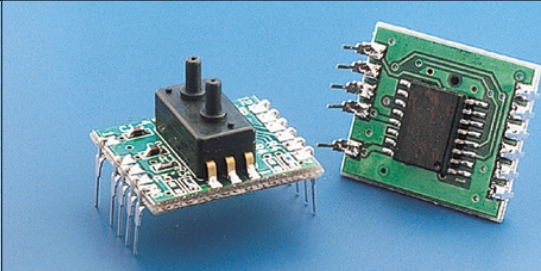
GV : Gauge(Negative pressure)

GW : Gauge(Bipolar pressure)

D : Differential(Positive pressure)

DV : Differential(Negative 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		
-100~100	PSM-100KPGW	PSMC-100KPGW	PSM-100KPDW
0~-400	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.

