

Sensing element/Gauge

FPM Data sheet

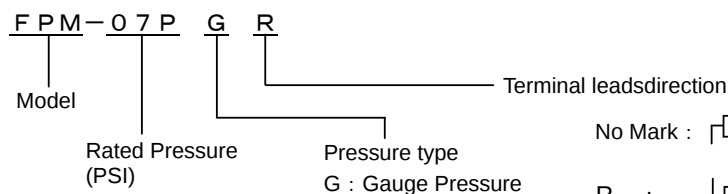
■ Features

Dual-in-line package (DIP)

■ Applications

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

■ Part number for ordering



	Weight (grams)
	1.1

RoHS compliance

Measurable pressure range(kPa)	Part number for ordering	
-13.79~13.79	FPM-02PG	FPM-02PGR
-34.47~34.47	FPM-05PG	FPM-05PGR
-48.26~48.26	FPM-07PG	FPM-07PGR
-98.07~103.4	FPM-15PG	FPM-15PGR
-98.07~206.8	FPM-30PG	FPM-30PGR
-98.07~344.7	FPM-50PG	FPM-50PGR
-98.07~482.6	FPM-70PG	FPM-70PGR
-98.07~827.4	FPM-120PG	FPM-120PGR

■ Specifications

Model	02PG	05PG	07PG	15PG	30PG	50PG	70PG	120PG	Unit
Recommended operating conditions									
Pressure type	Gauge pressure								—
Rated pressure	13.79	34.47	48.26	103.4	206.8	344.7	482.6	827.4	kPa
Measurable pressure range	-13.79 ~13.79	-34.47 ~34.47	-48.26 ~48.26	-98.07 ~103.4	-98.07~ 206.8	-98.07~ 344.7	-98.07~ 482.6	-98.07~ 827.4	kPa
Temperature range	0~50								℃
Pressure media	Non-corrosive gases only (No liquid)								—
Excitation current (Constant)	1.5								mADC
Absolute maximum rating									
Maximum load pressure	Twice of rated pressure							1.5 times of rating pressure	—
Maximum excitation current	3.0								mADC
Operating temperature	-20~100								℃
Storage temperature	-40~120								℃
Operating humidity	30~80 (Non dew condition)								%RH
Electric characteristics (Drive Current 1.5mA constant, ambient temperature Ta=25℃)									
Output span voltage	60~140 (at 0kPa~rated pressure)								mV
Offset voltage	±20 (at 0kPa)								mV
Bridge resistance	4000~6000								Ω
Response time	2 (for the reference)								msec
Accuracy	TSO*	±5							%FS/ 0~50℃
	TCS*	2.5							
	Linearity	±0.5	±0.3				±0.5	±0.6	%FS
	Pressure hysteresis	±0.4	±0.2				±0.4		%FS

*TSO: Temperature sensitivity of offset voltage

*TCS: Temperature coefficient of output span voltage

*Temperature range from 0-50 deg C

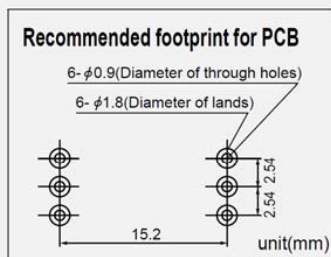
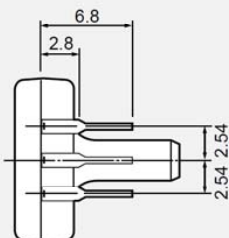
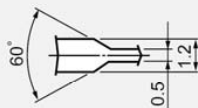
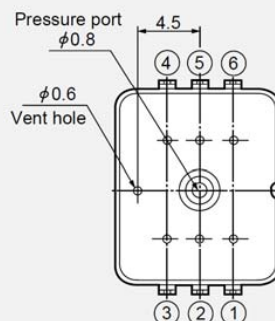
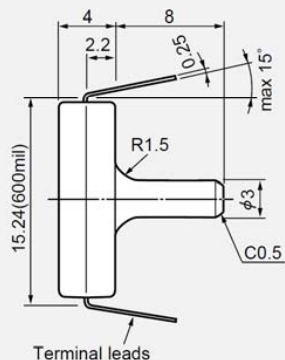
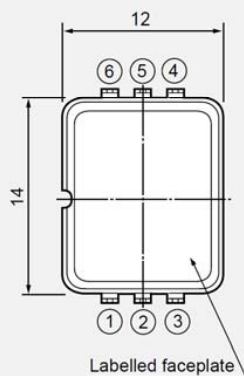
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■ Outline dimensions ■

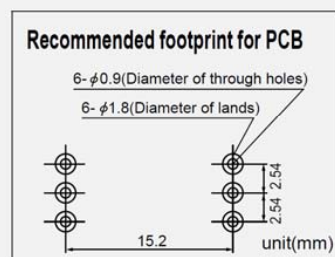
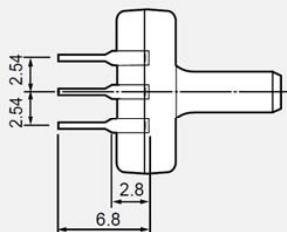
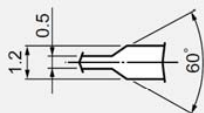
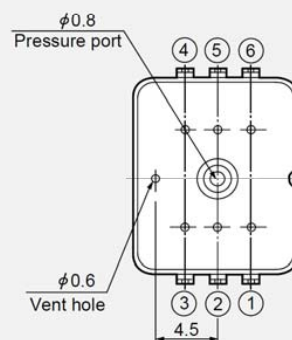
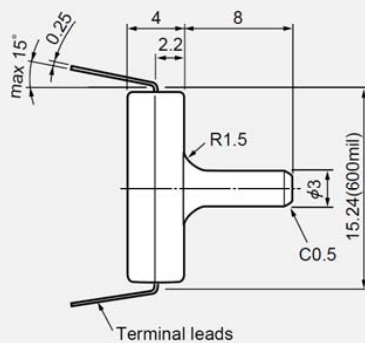
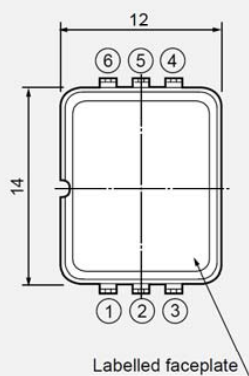
FPM

unit(mm)

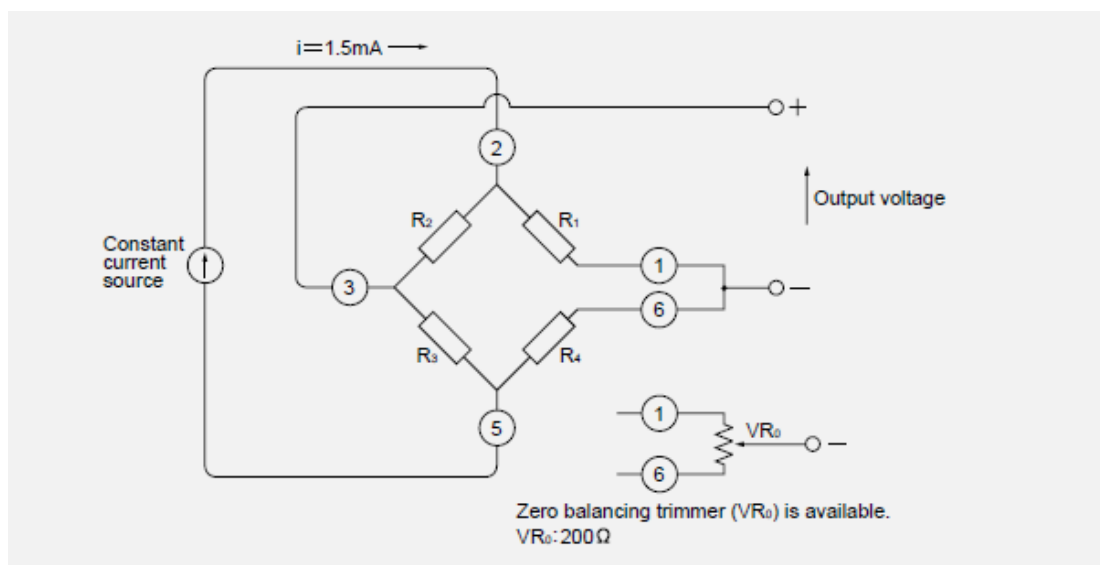


FPM-R

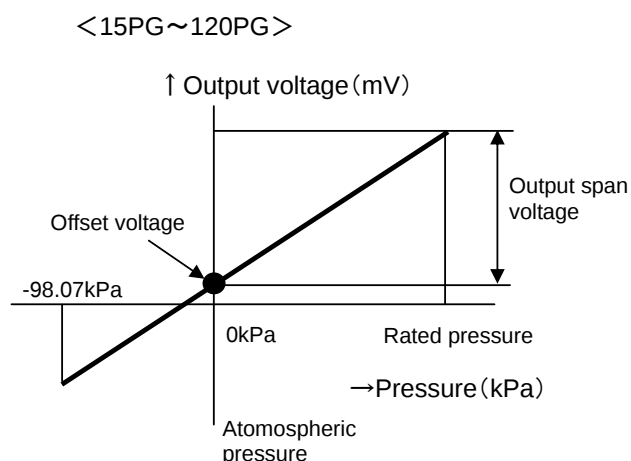
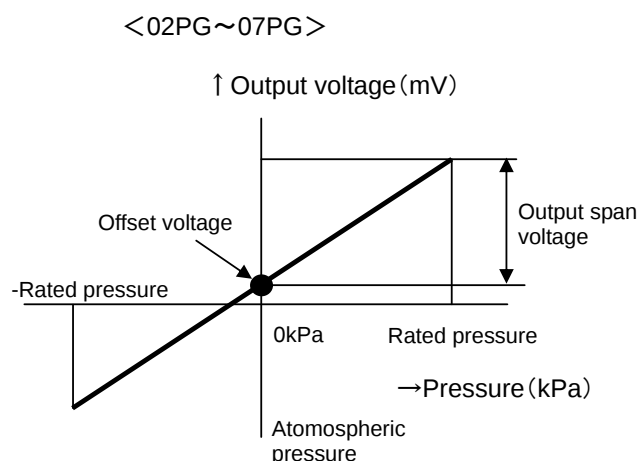
unit(mm)



■ Connection diagram ■



■ Output characteristics ■



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

If you have any questions regarding technical issues or specifications, please contact us.
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