

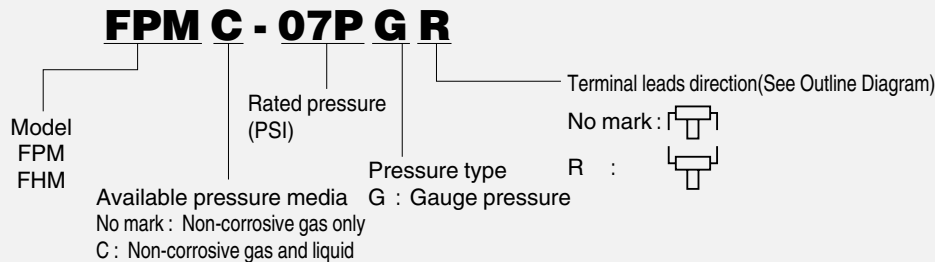
## Features

- Dual-In-line-Package(DIP)or Horizontal pressure port, Easy to mount on PCB
- Vacuum pressure measurable
- Non-corrosive liquid measurable(FPMC/FHMC available)

## Applications

- Industrial instrumentation
- Pressure switch, Pneumatic device
- Medical device
- Turbo boost pressure measurement for Automotive system

## Part number for ordering



Pressure type	Gauge pressure	
	FPM	FHM
Model		
Package configuration	Dual-In-line-Package(DIP)	Horizontal pressure port DIP

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

## Specifications

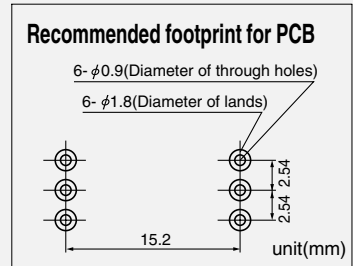
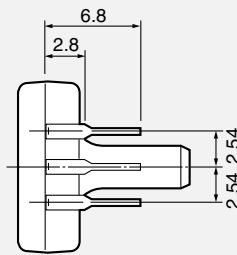
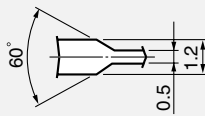
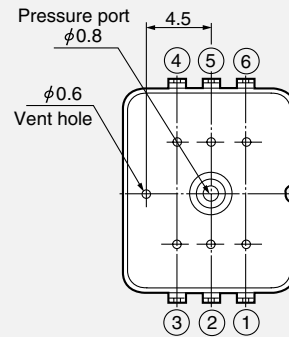
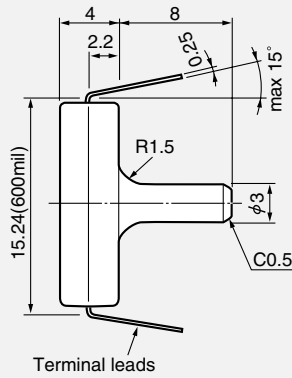
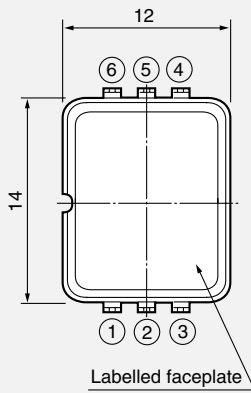
Model/Rated pressure	02PG	05PG	07PG	15PG	30PG	50PG	70PG	120PG	unit	
<b>Recommended operating conditions</b>										
Pressure type	Gauge pressure								—	
Rated pressure	13.79	34.47	48.26	103.4	206.8	344.7	482.6	827.4	kPa	
	0.141	0.352	0.492	1.055	2.109	3.516	4.922	8.437	kg/cm <sup>2</sup>	
Measurable pressure range	-13.79	-34.47	-48.26	-98.07	-98.07	-98.07	-98.07	-98.07	kPa	
	~13.79	~34.47	~48.26	~103.4	~206.8	~344.7	~482.6	~827.4		
Pressure media ※	FPM, FHM : Non-corrosive gas only, FPMC, FHMC : Non-corrosive gas and liquid								—	
Excitation current(Constant)	1.5								mADC	
<b>Absolute maximum rating</b>										
Maximum load pressure	Twice of rated pressure							1.5times of rated pressure	—	
Maximum excitation current	3								mADC	
Operating temperature	-20~100								°C	
Storage temperature	-40~120								°C	
Operating humidity	30~80(No dew condensation)								%RH	
<b>Electric performances/characteristics(Excitation current I=1.5mA constant, Ambient temperature Ta=25°C)</b>										
Full scale span voltage	60~140								mV	
Offset voltage	±20								mV	
Bridge impedance	4000~6000								Ω	
Mechanical response time	2(For the reference)								msec	
Accuracy	Temperature sensitivity of offset(TSO)	±5								%FS/0~50°C
	Temperature coefficient of sensitivity(TCS)	2.5								%FS/0~50°C
	Linearity	±0.5			±0.3		±0.5	±0.6	%FS	
	Pressure hysteresis	±0.4			±0.2		±0.4		%FS	

Please consult us available liquid pressure media when you choose the C models.

Outline dimensions

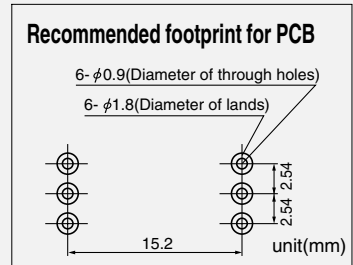
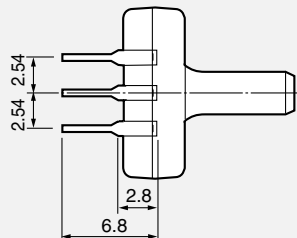
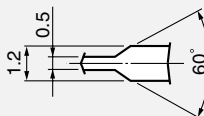
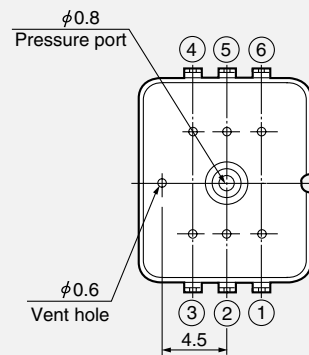
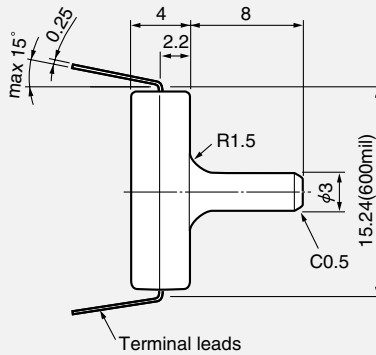
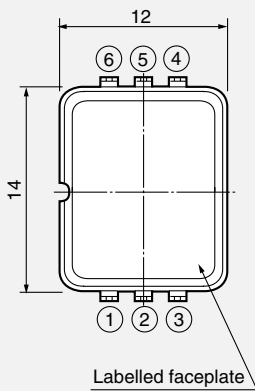
unit(mm)

FPM



FPM-R

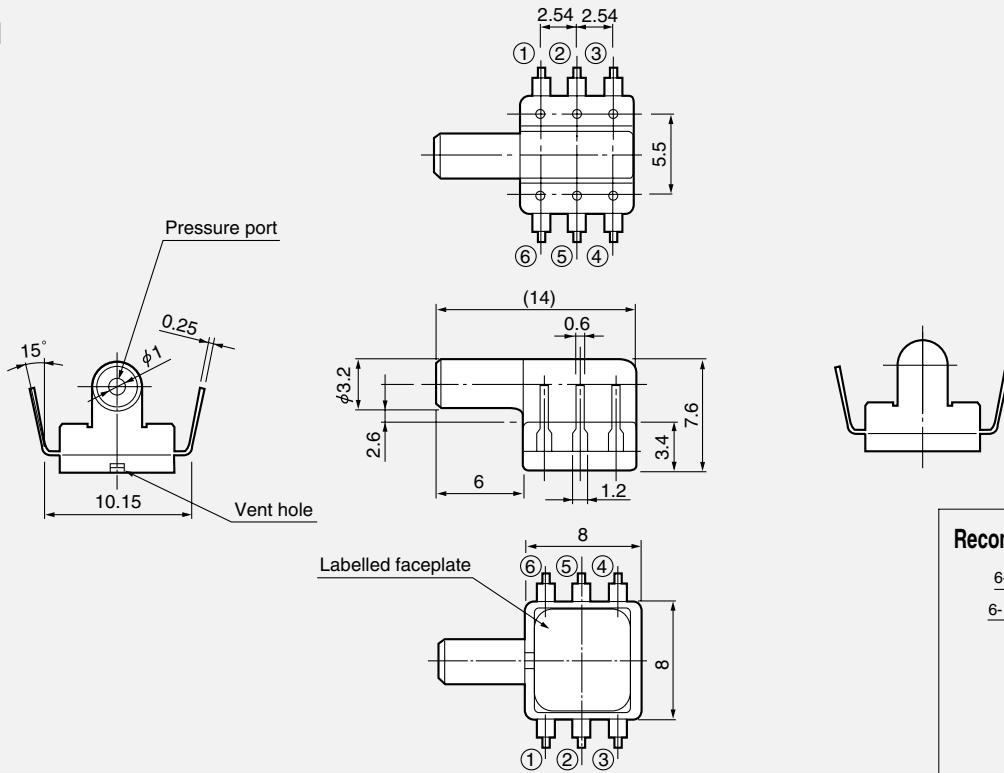
unit(mm)



Outline dimensions

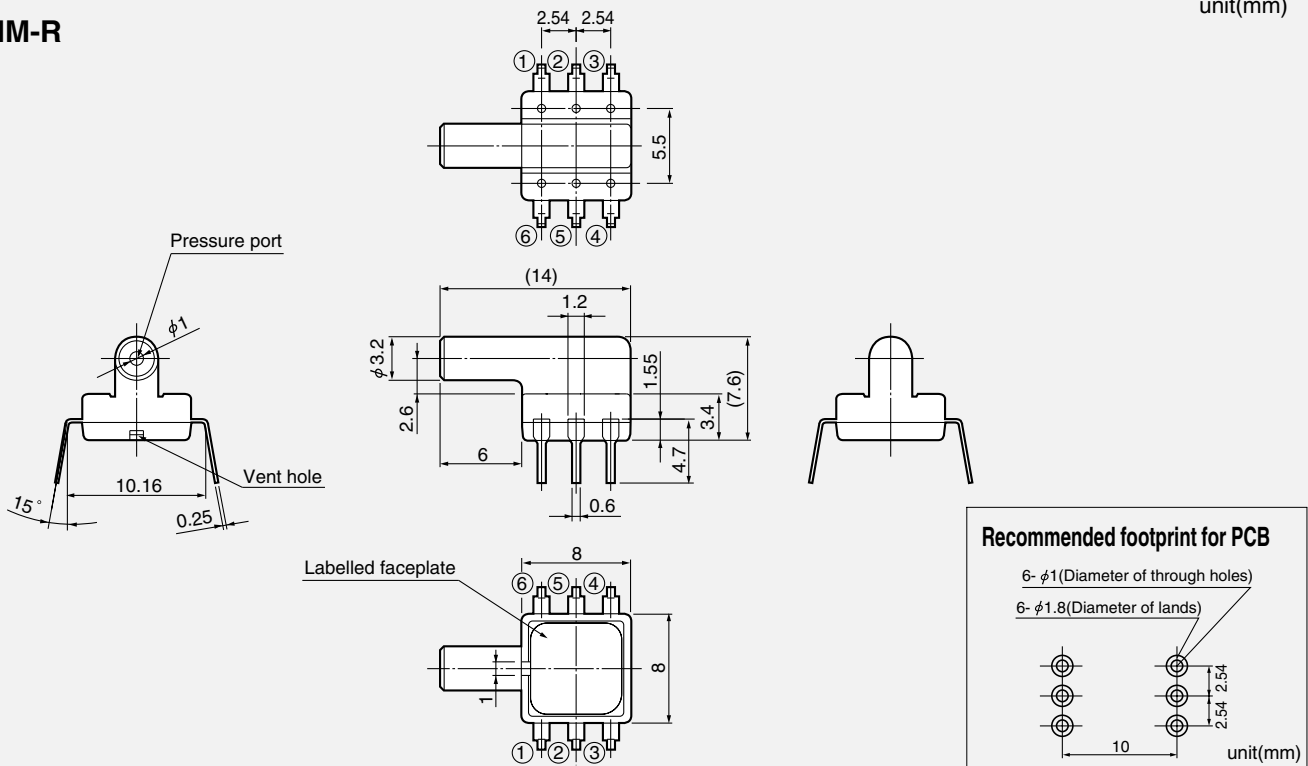
FHM

unit(mm)

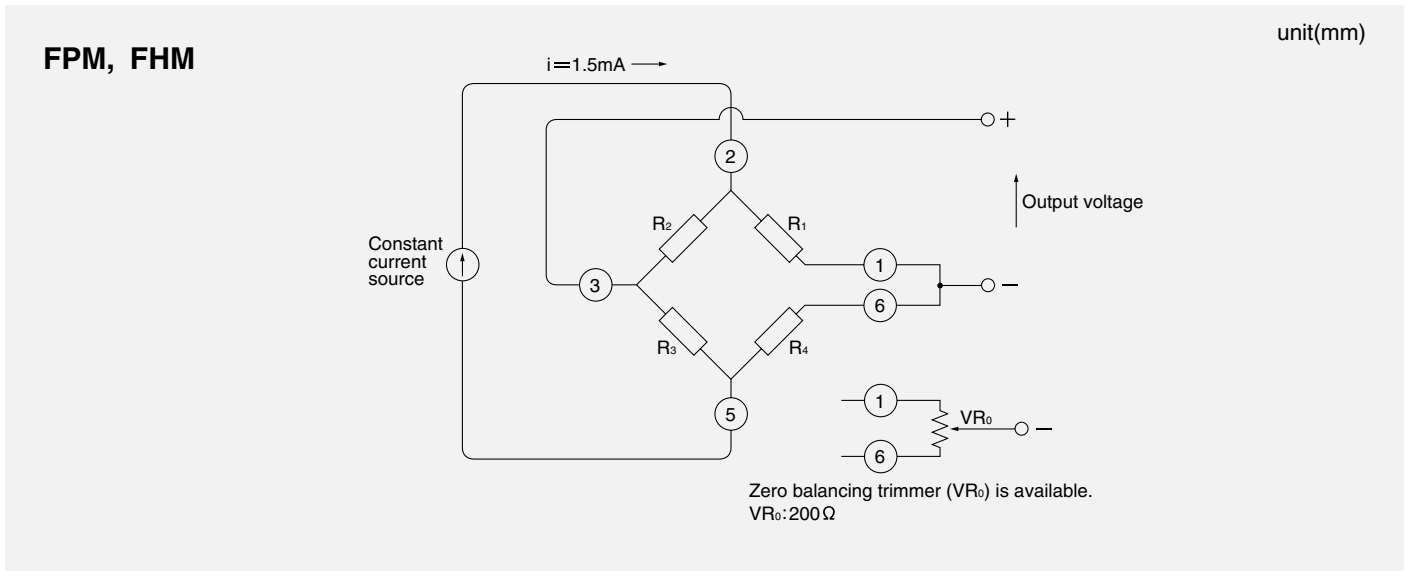


FHM-R

unit(mm)



■ Connection diagram ■



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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