

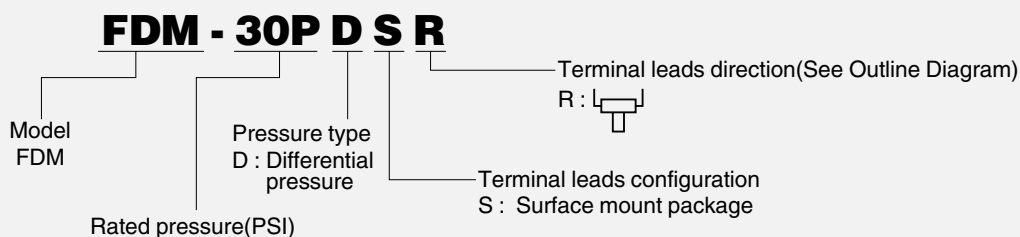
## Features

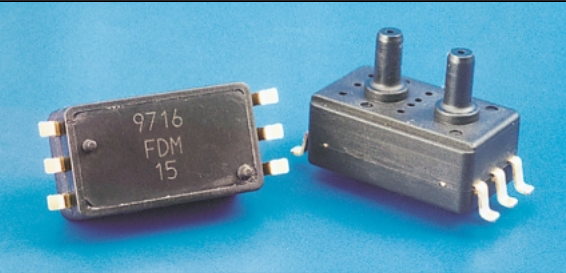
- Very small surface mountable package, Easy to mount on PCB
- High accuracy, High reliability

## Applications

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

## Part number for ordering



Pressure type	Differential pressure FDN
Model	
Package configuration	Surface mount package

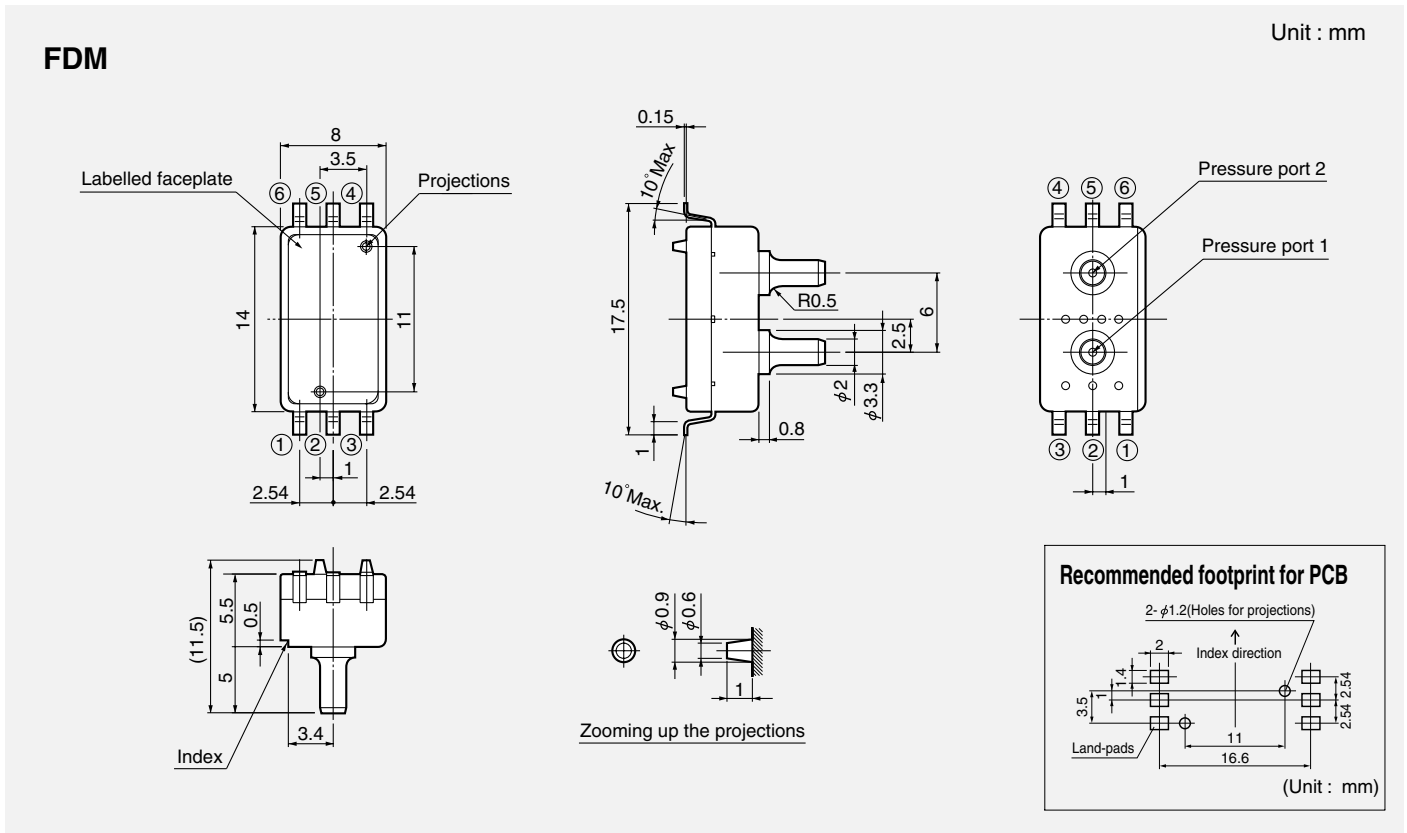
Measurable pressure range(kPa)	Part number for ordering
-13.79~13.79	FDM-02PDSR
-34.47~34.47	FDM-05PDSR
-48.26~48.26	FDM-07PDSR
-103.4~103.4	FDM-15PDSR
-206.8~206.8	FDM-30PDSR
-344.7~344.7	FDM-50PDSR
-482.6~482.6	FDM-70PDSR
-827.4~827.4	FDM-120PDSR

## Specifications

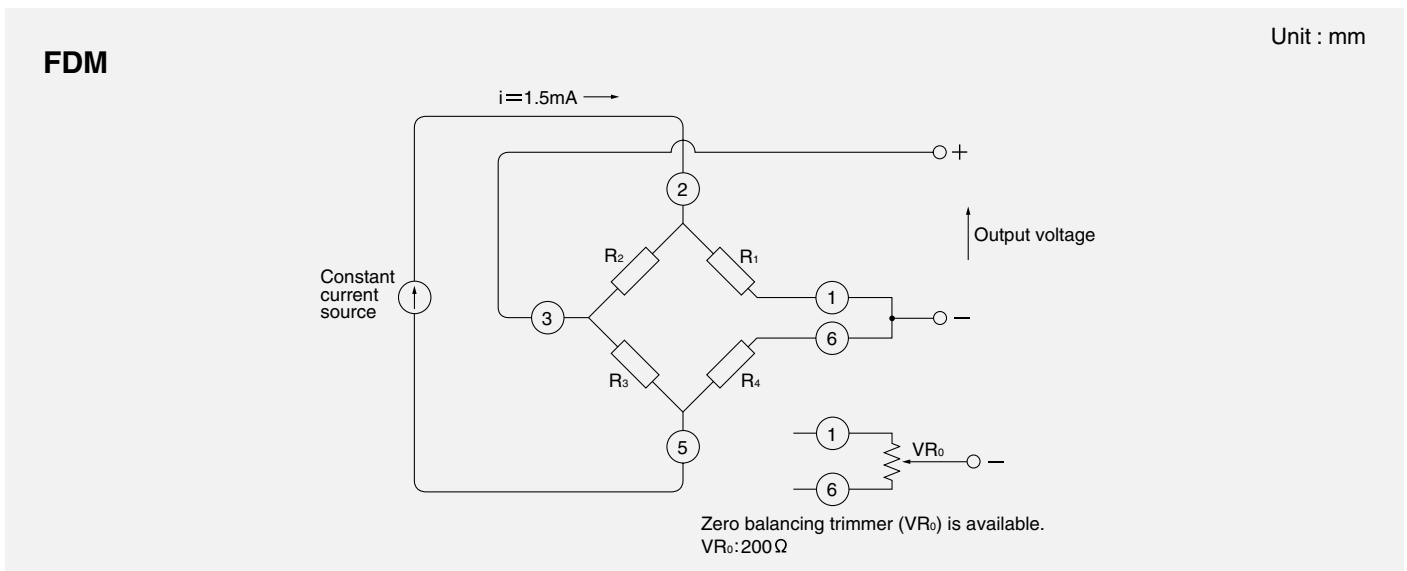
Model/Rated pressure	02PD	05PD	07PD	15PD	30PD	50PD	70PD	120PD	Unit
<b>Recommended operating conditions</b>									
Pressure type	Differential pressure								—
Rated pressure	13.79	34.47	48.26	103.4	206.8	344.7	482.6	827.4	kPa
	0.141	0.352	0.492	1.055	2.109	3.516	4.922	8.437	kg/cm <sup>2</sup>
Measurable pressure range	-13.79 ~13.79	-34.47 ~34.47	-48.26 ~48.26	-103.4 ~103.4	-206.8 ~206.8	-344.7 ~344.7	-482.6 ~482.6	-827.4 ~827.4	kPa
Pressure media	Non-corrosive gas								—
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

Output refers to pressure at pressure port 2.

■ Outline dimensions ■



■ 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.  
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