

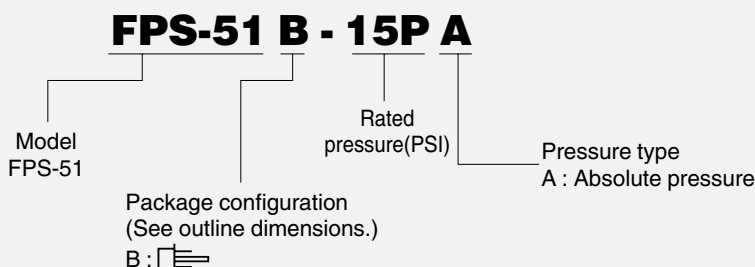
■ Features


- Metal-can package
- Barometric pressure measurable
- Non-corrosive gas or liquid media measurable

■ Applications

- Industrial instrumentation
- Medical device
- Barometer, Relative altimeter
- Fuel injection control or altitude compensation for automotive system

■ Part number for ordering

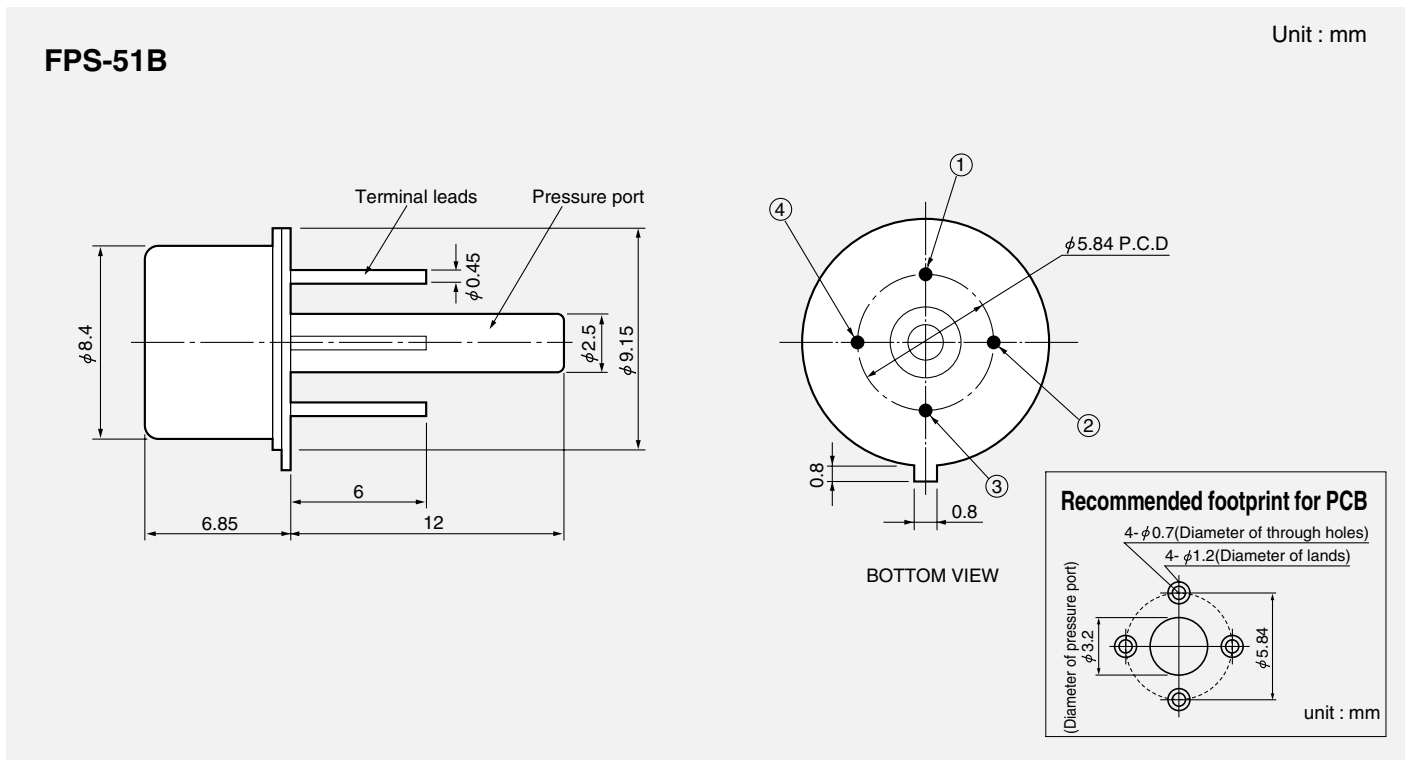


Pressure type	Absolute pressure
Model	FPS-55B 
Package configuration	Metal-can package
Measurable pressure range (kPa-abs)	Part number for ordering
0~103.4	FPS-51B-15PA

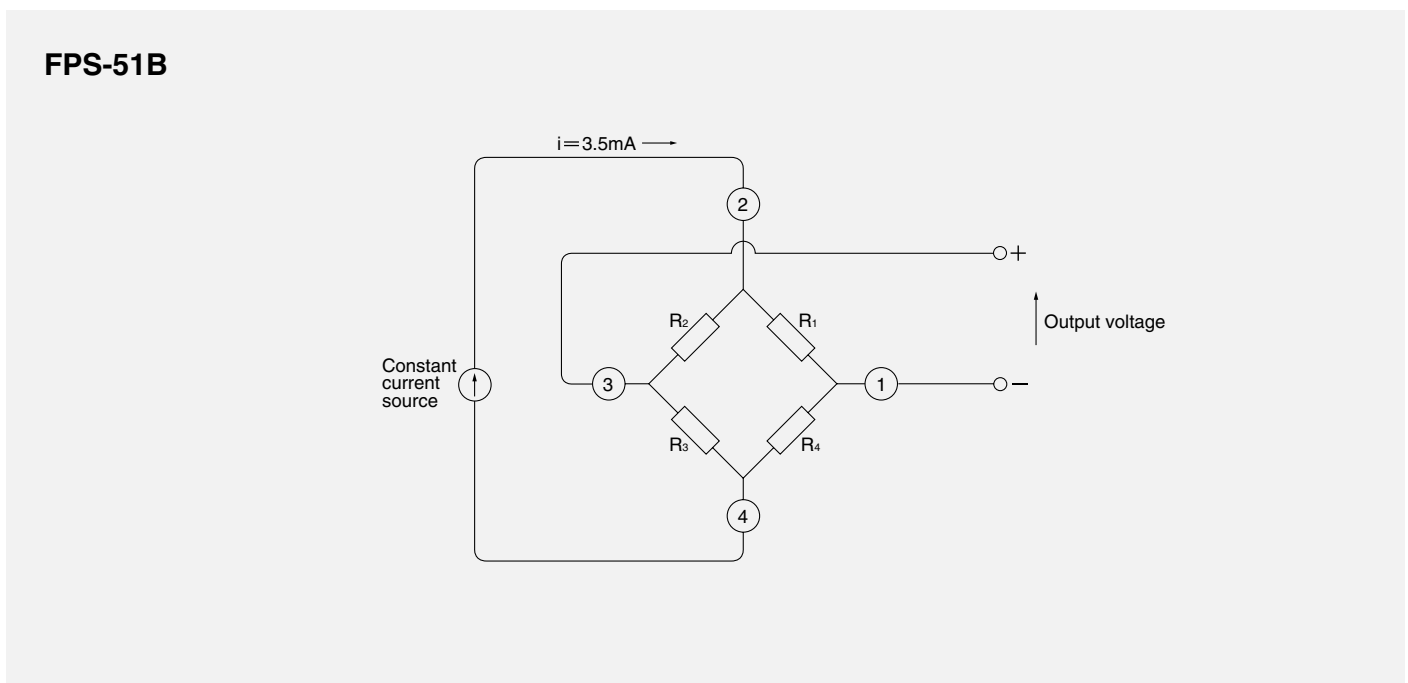
■ Specifications

Model/Rated pressure	15PA	Unit
Recommended operating conditions		
Pressure type	Absolute pressure	—
Rated pressure	103.4	kPa-abs
	1.055	kg/cm ² -abs
Measurable pressure range	0~103.4	kPa-abs
Pressure media	Non-corrosive gas, or liquid media	—
Excitation current(Constant)	3.5	mADC
Absolute maximum rating		
Maximum load pressure	202.6	kPa-abs
Maximum excitation current	7	mADC
Operating temperature	-30~100	°C
Storage temperature	-40~120	°C
Operating humidity	30~80 (No dew condensation)	%RH
Electric performances/characteristics (Excitation current i=3.5mA constant, Ambient temperature Ta=25°C)		
Full scale span voltage	20~80	mV
Offset voltage	±20 (at 0kPa-abs)	mV
Bridge impedance	800~1000	Ω
Mechanical response time	2 (For the reference)	msec
Accuracy	Temperature sensitivity of offset (TSO)	±6
	Temperature coefficient of sensitivity (TCS)	7
	Linearity	±0.6
	Pressure hysteresis	±0.2

■ Outline dimensions ■



■ Connection diagram ■



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

Fujikura Ltd.

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