

Low Air Pressure Sensor (SAPSS-5)

PRODUCT SPECIFICATION SHEET



FEATURES

- Lowest pressure sensing.
- Differential pressure type.
- Excellent output Characteristic(linearity output)
- Excellent durability by signal of no-contact.

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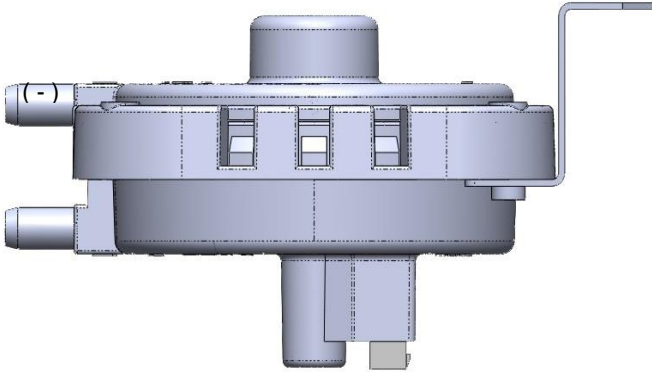
APPLICATION

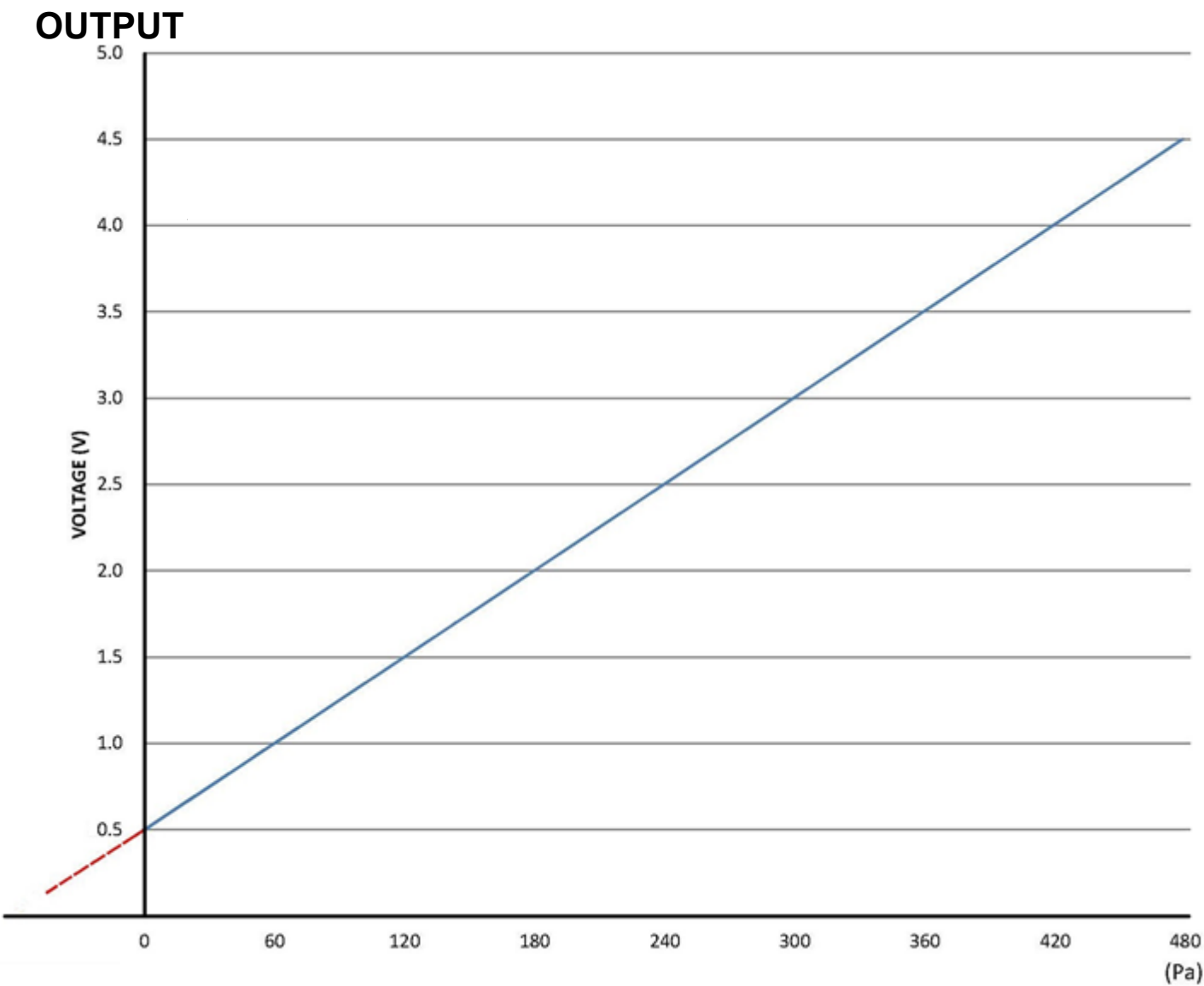
This sensor is used in sensing lowest pressure come out from Fan.

Home-Gas Boiler, HVAC and so on.

SPECIFICATION

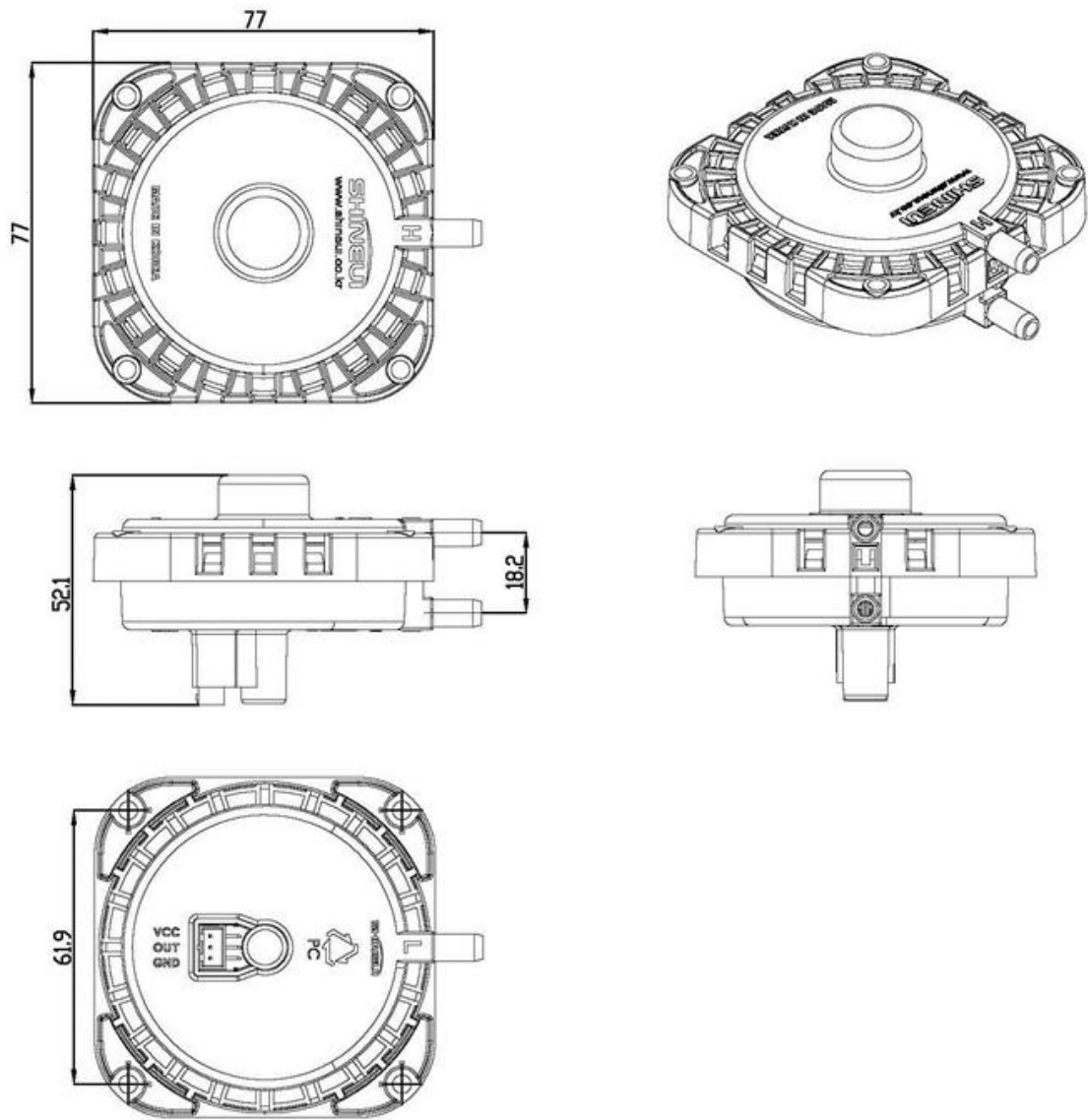
Medium	Air
Type	Differential pressure type
Pressure range(Pa)	0 ~ 480 Pa (According to customers' request, it can enlarge or shorten)
Rupture pressure	Less than 100 mbar
Tolerable overload on one side	25 mbar (or 100 mbar in less than 1 sec at room temperature)
Leak rate	less than 5 cc/ hour, at measuring range.
Full scale	± 2%
Materials in contact with medium	- Cover : Polycarbonate(PC) - Diaphragm : Silicone
Temperature	- Medium and ambient : 0 °C ~ 60 °C - Storage : -40 °C ~ 60 °C

Power	Supply : DC 5V Output : 0.5V ~ 4.5V (Linearity)
Output Current	Less than 15mA
Pressure connection	Hose connector Ø6.2mm (It can be changed by a customer)
Electrical connection	YEONHO, SMH250-03 (it can be changed by customer)
Standard installation (Recommended Installation)	- Diaphragm horizontal : Brand name(SHINEUI) upward. - Diaphragm Vertical : Pressure connector downward. (Output characteristic depends on installation direction)
Protection standard	IP 54
Weight	93.56g
Mounting	Refer to Dimension
Standard Installation (Horizontal as picture)	<p>Standard : Horizontal installation(like below picture) According to the angle of the installation, the set point for the pressure move up or move down a little.</p> 



(This pressure range is possible to enlarge or shorten. when the customer request)

DIMENSION



The specifications and dimensions can be changed without warning.

It has been manufactured in accordance with the EN 1854.