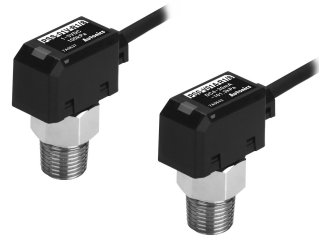


# PSS Series

## Compact, Non-indicating Pressure Sensors

### ■ Features

- Rated pressure
  - : negative pressure (-101.3 to 0.0kPa)
  - standard pressure (0 to 100.0kPa, 0 to 1,000kPa)
  - compound pressure (-101.3 to 100.0kPa)
- Compact design: W11.8×H29.3×L24.8mm (including pressure port)
- Analog output: Voltage (1-5VDC), current (DC4-20mA)
- Power supply: 12-24VDC ±10%



⚠ Please read "Safety Considerations" in the instruction manual before using.



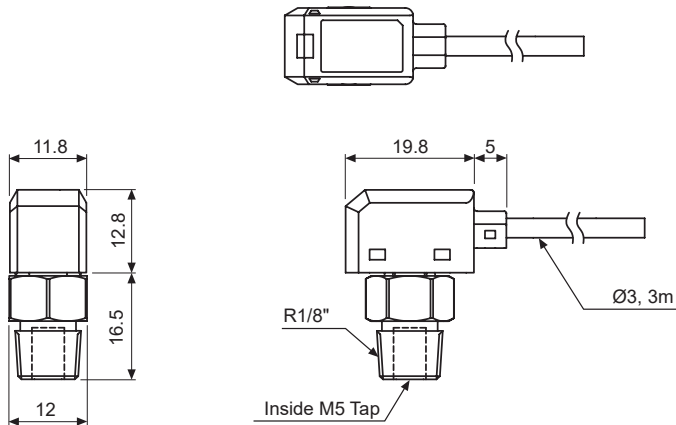
### ■ Ordering Information

PS	S	-	V	01	V	-	R1/8				
Item		Size		Pressure type		Pressure range		Output		Pressure port	
		S		No-mark		01		V		R1/8	
		C		V		1		A		Standard	
		PS		No-mark		01		V		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1		A		Standard	
		PS		V		1		A		Standard	
		S		V		1					

# Compact, Non-indicating Pressure Sensor

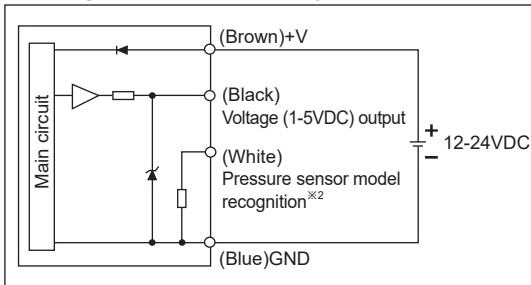
## ■ Dimensions

(unit: mm)

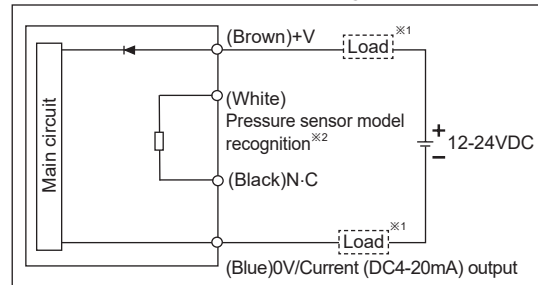


## ■ Connections

### ● Voltage (1-5VDC) output type



### ● Current (DC4-20mA) output type



※1 : Load can be connected any directions.

※2 : Pressure sensor model is automatically recognized only by Autonics PSM Series, Multi-CH Pressure and Sensor indicator.

※Allowable load impedance: Max. 100Ω for 12VDC power, Max. 500Ω for 24VDC power

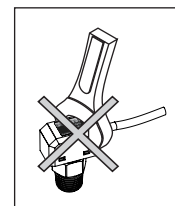
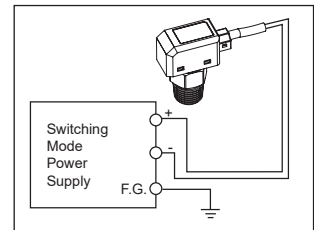
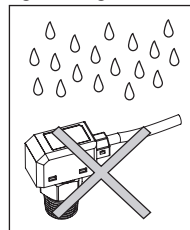
※The product is not equipped with the output short over current protection circuit. If short-circuit the control output terminal or supply current over the rated specification, it may result in product damage.

## ■ Proper Usage

- Do not insert any sharp or pointed object into pressure port.  
Failure to follow this instruction may result in malfunction and damage the sensor.
- Be sure that this unit must avoid direct touch with water, oil, thinner etc.
- It is ready to operate 3 sec after it is turned ON. Be sure not to use the product within 3 sec.
- When using switching mode power supply, frame ground (F.G.) terminal of power supply should be grounded.
- To avoid inductive noise, keep the wiring away from power line, high voltage line.

Failure to follow this instruction may result in malfunction.

- When moving this unit from warm place to cold place, please remove the humidity on the cover then use it.
- Do not use spanner to mounting this unit.  
Tightening torque for one touch fitting should be below 10N·m.
- Do not apply a tensile strength in excess of 30N to the cables or connector.
- This product may be used in the following environments.
  - Indoors
  - Altitude max. 2,000m
  - Pollution degree 3
  - Installation category II



SENSORS

CONTROLLERS

MOTION DEVICES

SOFTWARE

(A) Photoelectric Sensors

(B) Fiber Optic Sensors

(C) LIDAR

(D) Door/Area Sensors

(E) Vision Sensors

(F) Proximity Sensors

(G) Pressure Sensors

(H) Rotary Encoders

(I) Connectors/ Connector Cables/ Sensor Distribution Boxes/ Sockets