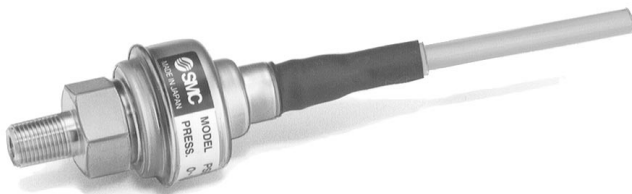




Pressure Sensor

For General Purpose Fluid Applications

Series *PSE520*



How to Order

PSE52 0 —

Operating pressure

0 High pressure (0 to 1 MPa)

Porting

01	R(PT) 1/8, M5 X 0.8
02	R(PT) 1/4, M5 X 0.8
T01	NPTF 1/8, M5 X 0.8
T02	NPTF 1/4, M5 X 0.8

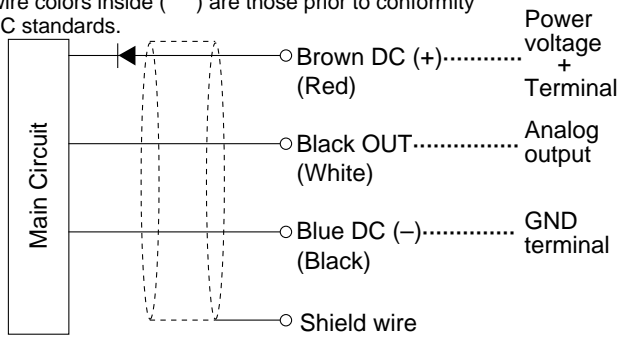
Sensor Specifications/General Purpose Fluid Applications

Model	PSE520-01	PSE520-02	PSE520-T01	PSE520-T02
Operating pressure range	0 to 1 MPa			
Max. pressure	2MPa			
Fluid	Fluid non corrosive to SUS304, SUS630			
Output specification	Analog (1 to 5V, Load impedance: 10kΩ or more)			
Supply voltage	12 to 24 V DC (Ripple ± 10% or less)			
Current consumption	15mA or less			
Operating temperature range	-10 to 70°C (No condensation or frost formation)			
Temperature characteristics (25°C standard)	25 ± 10°C	± 1% F.S. or less		
	-10 to 70°C	± 3% F.S. or less		
Repeatability	± 0.3% F.S. or less			
Voltage resistance	Between GND terminal and housing 250V AC for 1 min.			
Insulation resistance	Between external terminal and housing 100MΩ (50V DC by megameter)			
Vibration resistance	10 to 55Hz Pulse width: 1.5mm to X, Y, Z direction (2 hours)			
Shock resistance	294 m/s ² (11ms or less) to X, Y, Z direction (3 times for each direction)			
Protective construction	IP65			
Material	Housing	Housing: Stainless steel (SUS304), Fitting: Stainless steel (SUS304)		
	Pressure sensor area	Diaphragm: Stainless steel (SUS630)		
Lead wire	Special elastic polyvinyl chloride ø6, 0.34mm ² , 3 wire, 3000mm			
Port size	R(PT)1/8, M5 X 0.8	R(PT)1/4, M5 X 0.8	NPTF1/8, M5 X 0.8	NPTF1/4, M5 X 0.8
Weight	Approx. 220g			

Note) When pressure sensor PSE 520 series is connected to controller PSE100 series, display range is as PSE100 series.

Internal Circuit

Lead wire colors inside () are those prior to conformity with IEC standards.

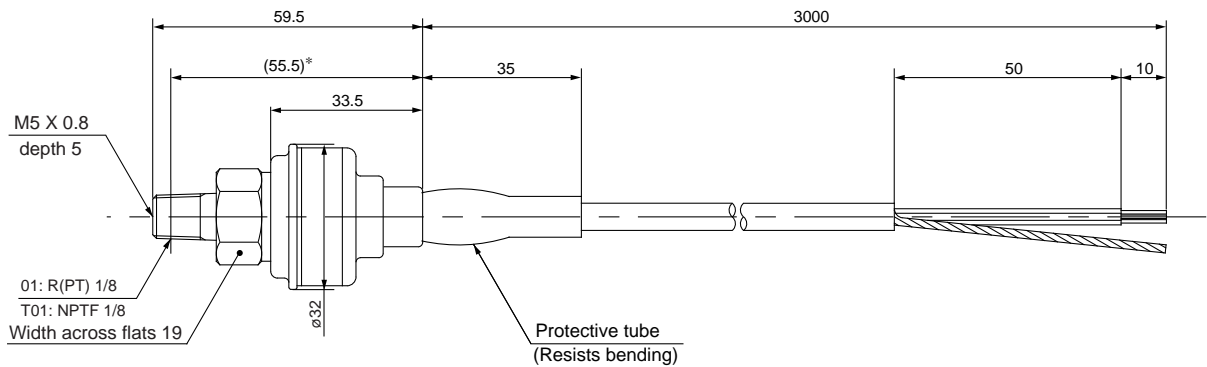


⚠ Caution

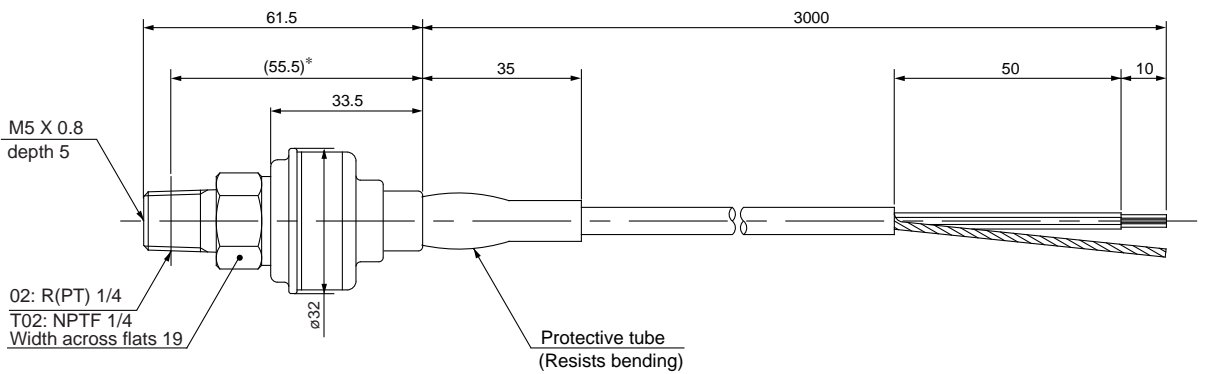
Be sure to read before handling. Refer to p.0-26 and 0-27 for Safety Instructions and common precautions on the products mentioned in this catalog, and refer to p.3.0-7 to 3.0-9 for precautions on every series.

Dimensions

PSE520-01, T01



PSE520-02, T02



* Reference dimensions after thread installation

PSE

ZSE4
ISE4

ZSE5
ISE5

ZSE6
ISE6

ZSE3
ISE3

GS

PS

ISA

ZSE1
ISE1

ZSE2
ISE2

ZSP

IS

ZSM

PF

IF