

Model PUN

UHP(Ultra High Purity) Pressure Transmitter

Description

The PUN model is a pressure transmitter suitable for UHP (Ultra High Purity) gas systems with Hastelloy C22 and STS316L wetted parts and EP treatment of the wetted part surface. Long-distance signal transmission is possible with 2-wire 4~20mA output. The output terminal type is M12 connector type, Samwoo SCK connector type, and cable type, so it can be used according to the purpose. The zero point can be adjusted by volume on the side.

Features

- ▶ CE Certification
- ▶ 4~20mA (2-wire) analog output
- ▶ M12 connector, Samwoo SCK Connector, cable
- ▶ Wetted material: Hastelloy C22, STS316L

Applications

- ▶ Pressure monitoring
- ▶ Gas panel
- ▶ Special and bulk gas supplies
- ▶ Semiconductor equipment

Specifications



Pressure Range	-15~50, 100, 150, 250, 500, 3000psi(Gauge)
Accuracy	±0.25%FS(RSS) ⁽¹⁾
Linearity	±0.2%FS
Hysteresis	±0.15%FS
Repeatability	±0.15%FS
Thermal Effect	Zero : 0.01%FS/°C, Span : 0.015%FS/°C
Compensated Temperature Range	-20~80°C
Power	12~28VDC
Output	4~20mA(2Wire)
Electrical Connection	M12 Connector(Cable 5m), Samwoo SCK Connector(Cable 5m), Cable(5m)
Proof Pressure	150%FS max.
Wetted Part Materials	Diaphragm : Hastelloy C-22, Fitting : STS316L
Surface Treatment	EP(Electrolytic Polishing) typical Ra ≤ 0.13 μm (RA 5) per SEMI F19
Leak Rate	<1x10 ⁻⁹ mbar l/sec (atm STD cc/sec) per SEMI F1
Process Connection Type	Single End : Fixed, Swivel, Weld Stub Flow Through : Fixed, Weld Stub
Pressure Port	9/16-18 UNF etc.

⁽¹⁾RSS(Root Sum Square) : $\sqrt{\text{Linearity}^2 + \text{Hysteresis}^2 + \text{Repeatability}^2}$

Dimension

► Exterior

M12 Connector Type	Samwoo SCK Connector Type	Cable Type

► Pipe connection(Process Connection)

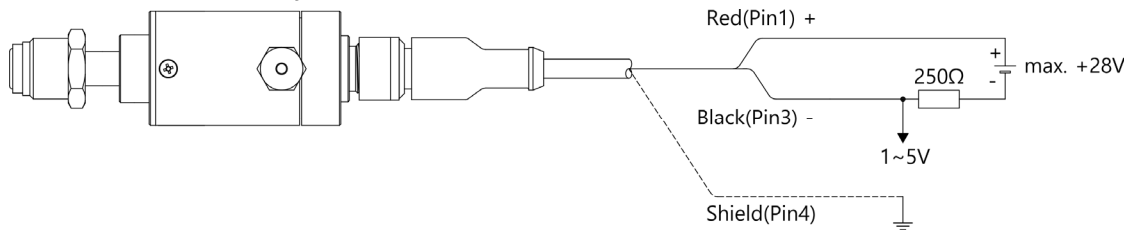
Single End Fixed	Single End Swivel	Single End Weld Stub	Flow Through Fixed	Flow Through Weld Stub	Modular Surface Mount

► Accessory

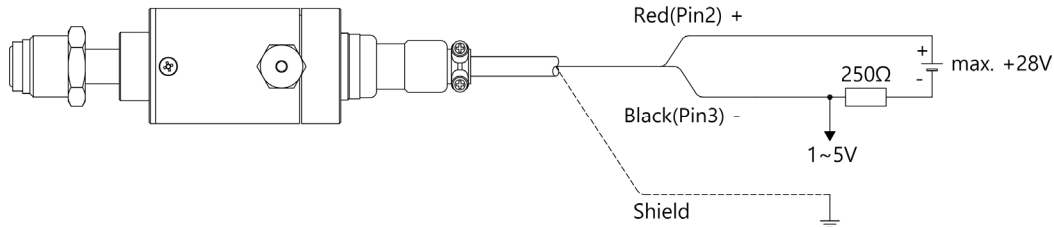
M12 Connector Ass'y(Straight)	M12 Connector Ass'y(Angled)

Electrical Connection

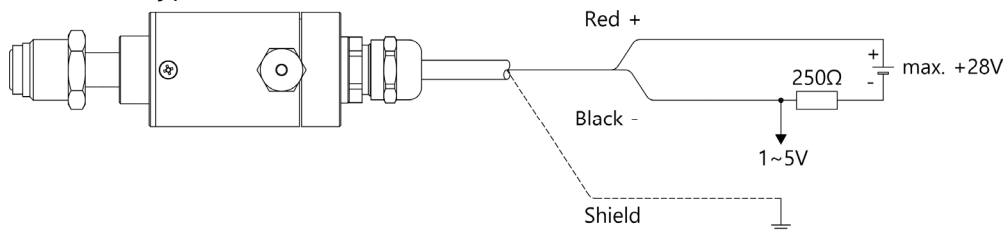
► M12 Connector Type



► Samwoo SCK Connector Type



► Cable Type



Ordering Information

Model	PUN	H	C250	P	V	E	G	-	A05	-	<input type="checkbox"/>	Sales Code
Output												
H : 4~20mA(2Wire)												
Pressure Range												
XXXX : Pressure												
CXXX : Compound Pressure												
Pressure Unit												
R : kPa M : MPa												
K : kgf/cm ² B : bar												
P : psi												
Pressure Port												
V : Port Option												
												Pressure Port Option
												A05 : Single End, 1/4" VCR(Fixed)
												A15 : Single End, 1/4" VCR(Swivel)
												A16 : Single End, 1/4" Weld Stub
												A17 : Flow Through, 1/4" VCR(Fixed)
												A18 : Flow Through, 1/4" Weld Stub
												Pressure Type
												G : Gauge
												Electrical Connection Method
												E : M12 Connector
												S : Cable
												N : SAMWOO SCK Connector