

— Pressure Range Code

CODE	kgf/cm ²	bar	psi	MPa
0001	0~1	0~1	0~15	0~0.1
0003	0~3	0~3	0~45	0~0.3
0005	0~5	0~5	0~70	0~0.5
0006	0~6	0~6	0~90	0~0.6
0010	0~10	0~10	0~150	0~1
0015	0~15	0~15	0~200	0~1.5
0020	0~20	0~20	0~300	0~2
0025	0~25	0~25	0~350	0~2.5
0030	0~30	0~30	0~450	0~3
0035	0~35	0~35	0~500	0~3.5
0050	0~50	0~50	0~700	0~5
0070	0~70	0~70	0~1000	0~7
0100	0~100	0~100	0~1500	0~10
0200	0~200	0~200	0~3000	0~20
0250	0~250	0~250	0~3500	0~25
0300	0~300	0~300	0~4500	0~30
0350	0~350	0~350	0~5000	0~35
0500	0~500	0~500	0~7000	0~50
0700	0~700	0~700	0~10000	0~70
1000	0~1000	0~1000	0~15000	0~100
2000	0~2000	0~2000	0~28000	0~200
V0000	-76~0 cmHg	-1013~0 mbar	-30~0 inHg	-0.1~0
V0001	-76 cmHg~1	-1013 mbar~1	-30 inHg~15	-0.1~0.1
V0002	-76 cmHg~2	-1013 mbar~2	-30 inHg~30	-0.1~0.2
V0003	-76 cmHg~3	-1013 mbar~3	-30 inHg~45	-0.1~0.3
V0004	-76 cmHg~4	-1013 mbar~4	-30 inHg~60	-0.1~0.4
V0006	-76 cmHg~6	-1013 mbar~6	-30 inHg~90	-0.1~0.6
V0010	-76 cmHg~10	-1013 mbar~10	-30 inHg~150	-0.1~1
V0015	-76 cmHg~15	-1013 mbar~15	-30 inHg~200	-0.1~1.5
V0020	-76 cmHg~20	-1013 mbar~20	-30 inHg~300	-0.1~2
L0600	0~600 mmH ₂ O	0~60mbar	0~0.9	0~0.006
L1000	0~1000 mmH ₂ O	0~100mbar	0~1.5	0~0.01
L2000	0~2000 mmH ₂ O	0~200mbar	0~3	0~0.02
L3000	0~3000 mmH ₂ O	0~300mbar	0~4.5	0~0.03
L4000	0~4000 mmH ₂ O	0~400mbar	0~5.5	0~0.04
L5000	0~5000 mmH ₂ O	0~500mbar	0~7	0~0.05
00000	Other Range			

P201 Series

General Pressure Transmitter



특징

산업용 고정밀 압력 트랜스미터
측정 범위는 0~0.01 ~ 100MPa입니다.
고급 박막 또는 압전 저항 측정 셀
뛰어난 정확성과 장기적 안정성
200% 보증 압력
마이크로 프로세서 기반 회로
편리한 푸시버튼 방식의 자동 영점 설정

응용

이 송신기는 공정 제어, 자동 기계, 유압 또는 공압 시스템 설계 등 광범위한 분야에 사용될 수 있습니다.
표준 유압 및 공압 장비
프레온 및 암모니아 냉장고
공작기계 및 자동기계 유량제어
석유 및 해양 산업
화학 및 석유화학 산업용 장비
엔진 모니터링 및 제어
철도용 소방장비 및 제동장치

Input

Technology	Piezo Resistive silicon pressure sensor, Thin film sensor
Pressure range	0~0.01 to 100MPa relative pressure 0~0.1 to 100MPa absolute pressure
Pressure reference	Gauge, absolute, vacuum and compound
Overload	2×full scale without damage

Output

	Current output	Voltage output
Electrical connection type	2-wire technique	3 or 4-wire technique
Full scale output signal	20mA ±0.05%	5V ±0.05%
Zero measured output	4mA ±0.03%	1V ±0.03%
	Other signals available on request	

Electrical Specifications

Power supply	12~36V DC
Load resistance max	500 Ω at 24 V
Influence of excitation	0.01% FSO/V
Power ripple	≤500mV P-P

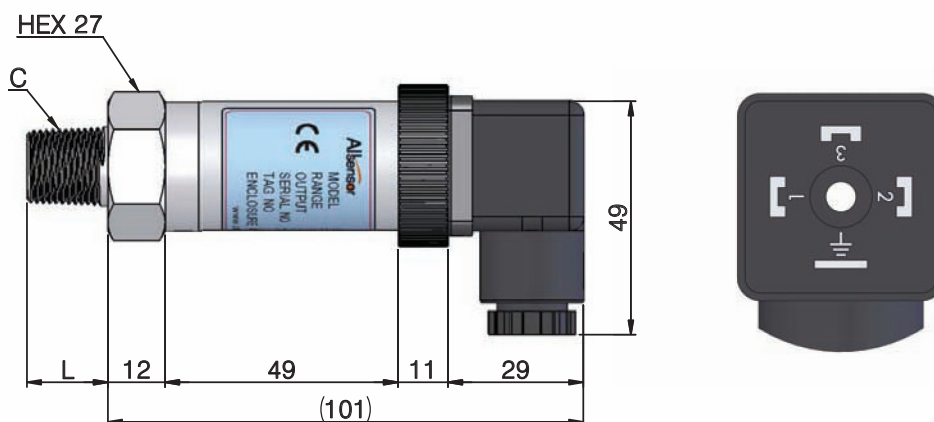
Performance Specifications

Accuracy	≤±0.25% FSO, ±0.5% FSO
Non-linearity	±0.100% FSO typical
Repeatability	±0.015% FSO typical
Pressure hysteresis	±0.010% FSO typical
Long term stability	±0.3% FSO over 6 month
Cutoff frequency(-3dB)	≤2kHz
Reference temperature	25℃
Operating temperature range (Process)	-20 ~100 ℃
Compensated temperature range	0 ~ 50 ℃
Thermal sensitivity shift	≤±0.2% FSO in reference to 35℃ typical
Thermal zero shift	≤±0.2% FSO in reference to 35℃ typical
Thermal hysteresis	≤±0.1% FSO in reference to 35℃ typical

Physical Specifications

Process connection	PT1/4", PT3/8", PT1/2" male thread STANDARD PT3/8"
	Female thread & other connections available on request
Process media	Gases and liquids compatible with STS316
Materials wetted by process	Stainless steel 316
	Housing : Stainless steel
Enclosure rating	IP65
Influence of mounting position	Not critical
Weight	Approx. 250g
Option	Remote or Flush Diaphragm Seal

Dimension(mm)



Process Connection	
C	L
PT 1/4"	14
PT 3/8"	17
PT 1/2"	19
UNF7/16"	14

Output Wire	mV 4 Wire	V, mA 4 Wire	V, mA 3 Wire	mA 2 Wire
①, Red	Excitation +	Power +	Power +	Power +
②, Black	Excitation -	Power -	Common -	Return -
③, Green	Signal +	Signal +	Signal +	
④, White	Signal -	Signal -		
Power	V	12~33 V DC		

Ordering Information

P	2	0	1	G	H	0	0	1	0	M	G	A	D
Model Name						Pressure Range				Pressure Unit		Process Connection	
P201 : General ($\pm 0.25\%$)						Refer to pressure range code page 5				M:MPa B:bar P:psi K:kgf/cm ² H:mmH ₂ O G:mmHg T:torr		A:PT3/8" H:PT1/4"(F) B:PF3/8" I:PT3/8"(F) C:PT1/4" J:PT1/2"(F) D:PF1/4" P:NPT1/4"(F) E:PT1/2" Q:NPT3/8"(F) F:PF1/2" R:NPT1/2"(F) N: NPT 1/2" V:VCR1/4" M:NPT 3/8" W:VCR1/2" L:NPT 1/4" O:Others	
Pressure Type										Pressure Sensor		Electric Connection	
A:Absolute G:Gauge										P : Piezo -Resistive H : SOS(Silicon sapphire) S : Strain gage G : Gold Plated Diaphragm T : Tantalum Diaphragm		D:DIN 43650 C: Cable M:M12 Connector	
Out Put													
H:2Wire 4~20mA F: 4Wire 4~20 mA A:4Wire mV G: 3Wire 4~20 mA B:4Wire 0~5V J: 3Wire 0~10V C:3Wire 0~5V K:4Wire 0~10V D:4Wire 1~5V R:Ratiometric 0.5~4.5V E:3Wire 1~5V													