Model :PR-11,12

Low Cost,Compact

Local Indicating Pressure Transmitter & Transducer.

- Front attached display
- Cost effective
- High corrosion resistant
- Compact design
- High accurate, durable & reliable
- Wide Measuring Ranges
- LED 3-digits Local display
- A wide range of application in ;
- Standard hydraulic & pneumatic equipments
- Process control
- Machine tools & automatic machinery
- Servo valves & drives
- Chemical & petrochemical industries
- Air & gas compressors

PR-11,12 Series Digital Pressure Transmitter는 소형의 Indicator를 부착한 제품으로 유공압장비나 자동화기기등에 설치가 용이하며, 전면에 Digital display는 사용자의 시스템관리를 도와준다. 지시계 케이스는 투명 Polycarbonite로 내구서이 강하다. 또한 Piezoresistive Cerarmic Sensing Element는 저렴한 비용으로 효율적인 Process관리를 가능하게하고 부식성이 강한 매체도 측정이 가능하다. 측전된 값은 현장에서 LED 3 digit로 표시되며, 전류신호로 장거리 전송이 가능하다. 특히 PR-11,12은 자동화 시스템이나 Process Control에 적합하며, 현장 측정치의 확인이 필요한 기계장치나 계측장비에 적합한 디지털 압력전송기이다.

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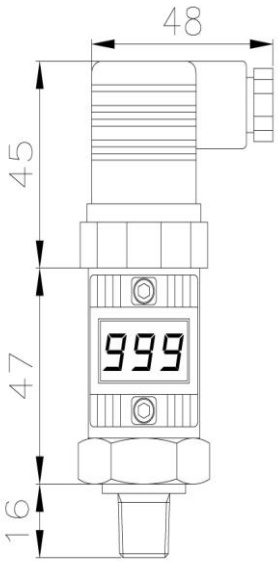
TECHINCAL DATA

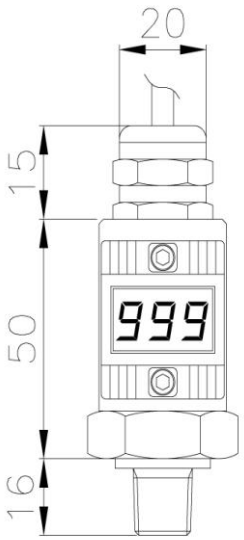
Input	
Measuring Principle	Piezoresistive Silicon Ceramic Cell
Pressure Reference	Gauge, Absolute, Vacuum & Compound
Measuring Ranges(bar)	Gauge : 0~0.5, 1, 2, 3, 4, 5, 8, 10, 15, 20, 25, 35, 50, 100, 200, 350
	Absolute : 0~1, 2, 5, 10, 20, 50, 100, 200, 350, 400
	Vacuum : -1~0
	Compound : -1~1, 2, 3, 5, 10, 20, 35, 50, 100, 200, 350
	Note : Other ranges are available on request
Over Pressure Limit	1.5 × Full scale without damage
Output	
Output Signal	4~20mA DC, 2-wire
	1~5, 0~10V DC, 3-wire(Optional)
Local Display	3 Digits, 7-segment digital LED
Electrical Specification	
Electrical Connection	Provico-11 : 4-pin L-plug, DIN 43 650, IP65
	Provico-12 : Flying lead with PG 9 connector
Excitation Voltage	18~36V DC
Load Resistance max.@24V	500 ohm at 24V
Influence Of Excitation	0.01% FSO/V
Reverse Polarity	Protected
Response Time	≤2 miliseconds
Adjustment	Within 10% of full scale
Performance Specification	
Accuracy	±0.5% FSO
Non-linearity	±0.20% FSO typical
Repeatability	±0.20% FSO typical
Pressure Hysteresis	±0.050% FSO typical
Long-term Stability	±0.3% FSO over 6 months
Operation Temperature Range	-40~125℃
Compensated Temperature Range	0~70℃
Physical Specification	
Process Connection	Thread Type : PT, NPT, PF
	Thread Size : 1/4", 3/8", 1/2"
	Other connections available such as JIS, ANSI, DIN Flange
Process Media	Gases & liquids compatible with Stainless steel 316 & Ceramic $Al_2 O_3$, 96%
Materials	Case : Stainless steel 316
	Wetted parts : Stainless steel 316
	Diaphragm : Ceramic Al2 O3, 96%
	Display cover : Polycarbonite
Enclosure Rate	IP65, 67

DIMENSION

PR-11

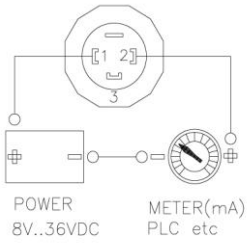


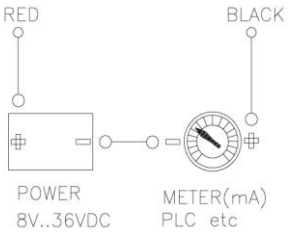
PR-12



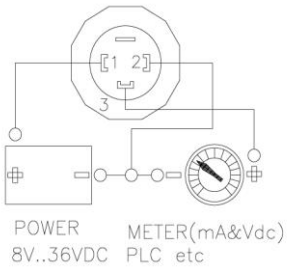
Elecrical Connection(wiring)

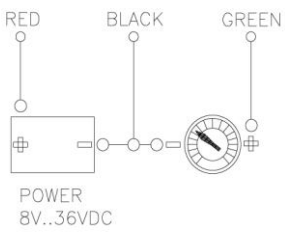
2-wire system 4-pin L-plug, DIN 43 650 Flying lead





3-wire system 4-pin L-plug, DIN 43 650 Flying lead





ORDERING INFORMATION

Model

PR-11 : 4-pin L-plug, DIN 43 650, IP65

PR-12 : Flying lead, 1.5m, IP67

PR-11N,pR-12N : None display

Pressure Reference

R : Gauge pressure
A : Absolute pressure
V : Vacuum
C : Compound pressure

Process Connection Type

A : NPT
B : PT
C : PF
X : Other types of connection available on request

Process Connection Size

1 : 1/4"
2 : 3/8"
3 : 1/2"
X : others on request

Range

110	: -1~0	126	: -1~1
111	: 0~1	127	: -1~2
112	: 0~2	128	: -1~3
113	: 0~5	129	: -1~10
114	: 0~10	130	: -1~15
115	: 0~15	131	: -1~20
116	: 0~20	132	: -1~25
117	: 0~25	133	: -1~35
118	: 0~35	134	: -1~50
119	: 0~50	135	: -1~100
120	: 0~100	136	: -1~250
121	: 0~250	137	: -1~350
122	: 0~350		
123	: 0~400		

Unit

A : kgf/cm2 or mmHg+kgf/cm2
B : mmHg
C : bar
D : psi
E : Mpa
F : Kpa
X : Other calibration unit available on request

Output Signal

0 : None-output(Only digital gauge)
1 : 4~20mA DC, 2-wire
2 : 1~5V DC, 3-wire(Optional)

Option

1 : None(none display)
x : Sealed diaphragm,

PR-11	R	B	3	117	A	1	X

Note 1) Other ranges are available on request.

Note 2) Please mark "abs." for absolute pressure.