

SHICO

LOCAL INDICATING PRESSURE TRANSMITTER

MODEL : SKP-100



GENERAL DESCRIPTION

Compact Field Case

Programmable Digital Pressure Transmitter

Variable Functions

Range Turn-down

High Precision Instrument

All Stainless Steel Construction

Wide Measuring Ranges

ADVANTAGE

- * **Microprocessor inside**
- * **Aluminium diecasting field terminal**
- * **SUS 316 material for Piezoresistive Silicon Sensing Element**
- * **Long & stable measurign ability**
- * **LED 4 digit display**
- * **Remote tranmission by current signal**

SAMHOI INDUSTRY CO., LTD.

257-11 3RD FL. AN-DONG GIMHAE KOREA E-MAIL: SHICO@SHICO.CO.KR

PHONE NUMBER : 82-55-321-0578~9 FAX NUMBER : 82-55-321-0573



TECHINCAL DATA**Input**

Measuring Principle	Piezoresistive Silicon Pressure 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, 400 Note : Other ranges are available on request
Over Pressure Limit	2.5 × Full scale without damage

Output

Output Signal	4~20mA DC, 2-wire 1~5V DC, 3-wire(Optional)
Local Display	3 Digits, 7-segment digital LED

Electrical Specification

Electrical Connection	General terminal head
Conduit Connection	1/2"PF,Female
Excitation Voltage	12~36V DC
Load Resistance max.@24V	700 ohm at 24V
Influence Of Excitation	0.01% FSO/V
Reverse Polarity	Protected
Response Time	≤2 milliseconds
Adjustment	4 : 1 Range turn-down

Performance Specification

Accuracy	±0.35% FSO
Non-linearity	±0.100% FSO typical
Repeatability	±0.015% FSO typical
Pressure Hysteresis	±0.010% FSO typical
Long-term Stability	±0.35% FSO over 6 months
Operation Temperature Range	-40~125℃
Compensated Temperature Rang	0~82℃

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
Materials	Field case : ALDC Wetted parts : Stainless steel 316 Diaphragm : Stainless steel 316L
Enclosure Rate	IP65

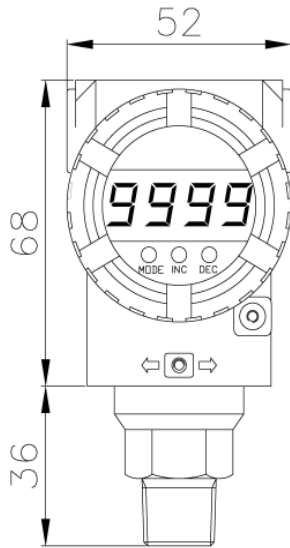
SHICO

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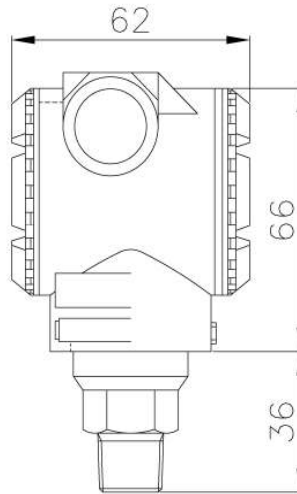
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DIMENSION

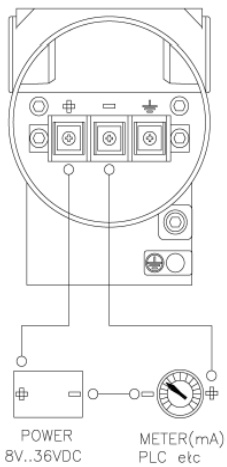
Front View



Side View



Electrical Connection



Display Description



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ORDERING INFORMATION

Model

SKP-100

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 | : 0~0.1 | 127 | : -1~2 |
| 112 | : 0~0.2 | 128 | : -1~5 |
| 113 | : 0~0.5 | 129 | : -1~10 |
| 114 | : 0~1 | 130 | : -1~15 |
| 115 | : 0~2 | 131 | : -1~20 |
| 116 | : 0~5 | 132 | : -1~25 |
| 117 | : 0~10 | 133 | : -1~35 |
| 118 | : 0~15 | 134 | : -1~50 |
| 119 | : 0~20 | 135 | : -1~100 |
| 120 | : 0~25 | 136 | : -1~250 |
| 121 | : 0~35 | 137 | : -1~350 |

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

X

SKP-100	R	X	X	114	A	1	X
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Note 1) Other ranges are available on request. Note 2) Please mark "abs." for absolute pressure.