

**GENERAL DESCRIPTION**

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

ADVANTAGE

- * Small indicator installation
- * Digital display for easy operation
- * Strong Polycarbonite case Piezoresistive Ceramic Sensing Element는
- * Piezoresistive Ceramic Sensing Element leads efficient process management
- * LED 3 digit display on location (remote transfer possible)

SHICO

LOCAL INDICATING PRESSURE TRANSMITTER

MODEL : SKP-11

TECHNICAL 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	SKP-11 : 4-pin L-plug, DIN 43 650, IP65 SKP-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 milliseconds
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 Al ₂ O ₃ , 96% Display cover : Polycarbonate
Enclosure Rate	IP65, 67

SAMHOI INDUSTRY CO., LTD.

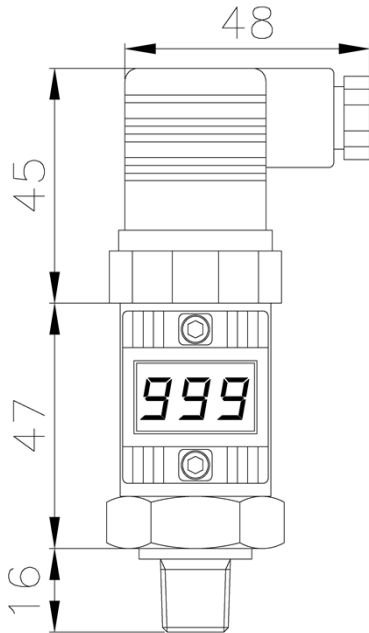
257-11 3RD FL. AN-DONG GIMHAE KOREA E-MAIL: SHICO@SHICO.CO.KR

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

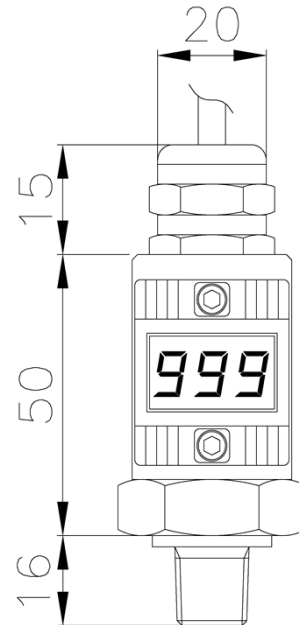


DIMENSION

SKP-11



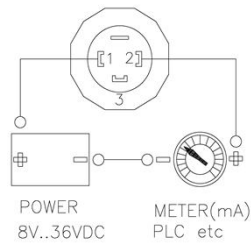
SKP-12



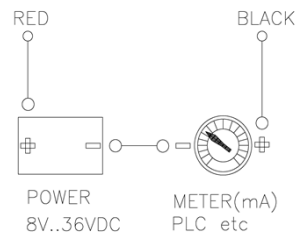
Electrical Connection(wiring)

2-wire system

4-pin L-plug, DIN 43 650

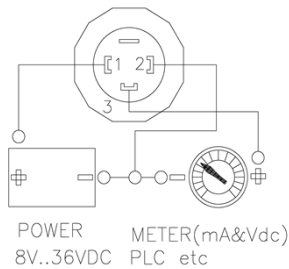


Flying lead

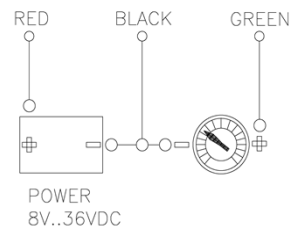


3-wire system

4-pin L-plug, DIN 43 650



Flying lead



Model

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

SKP-12 : Flying lead, 1.5m, IP67

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 | : -1~5 |
| 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
- x : Sealed diaphragm,
Refer to data sheet No.0416

SKP-11 | R | B | 3 | 117 | A | 1 | X

Note 1) Other ranges are available on request. Note 2) Please mark "abs." for absolute pressure.

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

