SHICO

DIGITAL PRESSURE SWITCH & TRANSMITTER MODEL : SKP-30

Adjustable 2 switch points

LED 4-digit & bar-graph display

Programmable pressure switch & transmitter

Damping adjustable

Zero & span adjustable

10 : 1 range turn-down

3 mode display units

Easy operation by front keys

A wide range of applications in ;

Chemical & petrochemical process
Food & drug process controls
Hydraulic & pneumatic equipments
Machines tools & automatic machinery
LPG & LNG transmission & storage controls
Engine monitoring & control
Pump & motor controls

ADVANTAGE

* Microprocessor inside
* Dual display with 2 switching points
* Piezoresistive silicon sensor inside
* Stainless steel structure
* Digital LED display
* Remote checking with a LED BAR-graph
* Varialble choice for sealed diaphragm

SAMHOI INDUSTRY CO., LTD.
257-11 3RD FL. AN-DONG GIMHAE KOREA E-MAIL: shico007@chol.com
PHONE NUMBER : 82-55-321-0578~9 FAX NUMBER : 82-55-321-0573

SHICO

DIGITAL PRESSURE SWITCH & TRANSMITTER MODEL : SKP-30

TECHNICAL DATA

Input	
Measuring Technology	Piezo-resistive Silicon Sensor
Pressure Reference	Gauge, Absolute, Vacuum & Compound
Pressure Range(bar)	Gauge : 0~0.1, 0.2, 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
	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 Safety	3 × Full scale without damage
Output	
Output Signal	Digital gauge(Without output signal)
	2 Relay points(High/Low)
	4~20mA Analog output signal
	4~20mA Analog output signal & 2 Relay points(High/Low)
Local Display	4 Digits, 7-segment digital LED
	LED Bar-graph(Red)
	2 alarm lamps
	Unit for process value
Electrical Connection	Field case
Conduit Connection	1/2"PT, female
Electrical Specifications	
Excitation Voltage	24V DC ±10%
	85~260V AC Optional
Supply Current	Max. 0.15A
Signal Current Limited	Max. 23.0mA
Load Limitation	Max. 750ohm
Peformance Specifications	
Accuracy	±0.25% FSO
	±0.5% FSO for sealed diaphragm
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 months
Operating Termperature	-40~125℃
Temperature Compensated	0~82℃
Thermal Sensitivity Shift	±0.2% FSO typical
Thermal Zero Shift	±0.2% FSO typical
Physical Specifications	
Process Connection	Thread Type : PT, NPT, PF
	Thread Size : 1/4", 3/8", 1/2", 3/4"
	Flange Type : JIS, ANSI, DIN(Flate or "I" flange)
Process Media	Gases & liquids compatible with stainless steel 316
Materials	Case : ALDC
	Diaphragm : Stainless steel 316L
	Wetted parts : Stainless steel 316
	Note) Wetted part teflon lining on request
Enclosure Rating	IP65
	Explosion protection Ex d IIC T6

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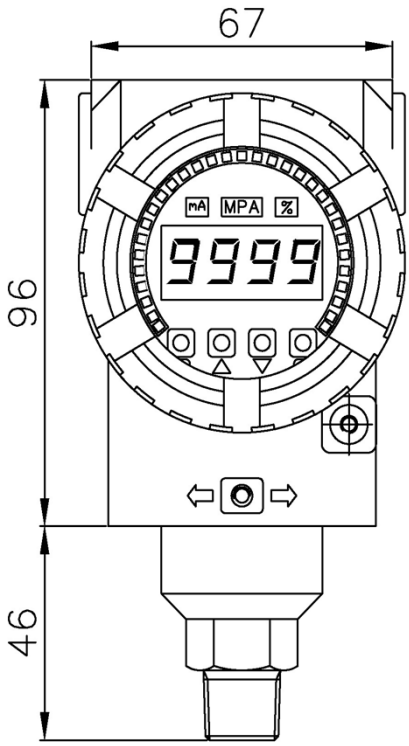
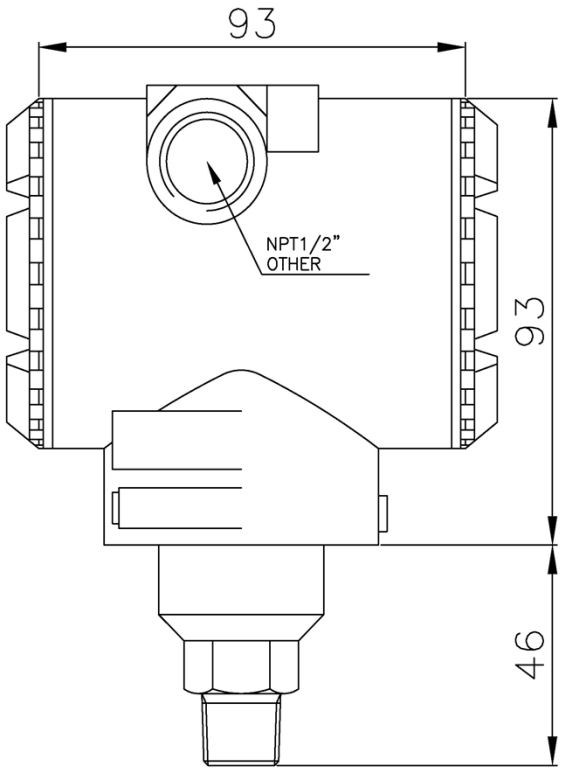
DIMENSION

Front View



Side View



Electrical Connection

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ORDERING INFORMATION

Model
SKP-30

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
122	: 0~50		
123	: 0~100		
124	: 0~250		
125	: 0~350		

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 Analog output only
- 2 : 2 Relay points
- 3 : 4~20mA Analog output + 2 Relay points
- x : Other outputs available on request

Option
- 1 : None
- x : Sealed diaphragm, Refer to data sheet No.0416

SKP-30	R	B	3	117	A	1	X

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

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