

COMMERCIAL PRESSURE GAUGE-SS CASE SSKE05-1

APPLICATIONS

- Liquid & gaseous mediums
- Oil & Gas applications
- Food & Beverages

FEATURES

- Follows IS 3624 / EN 837-1 / ASME B40.100
- Accuracy as per $\pm 1.6\%$ / CL 1.6 / Grade A
- Dry / Fillable / Liquid filled



COMMERCIAL PRESSURE GAUGE, SSKE05-1

DESCRIPTION

General

Design : EN 837-1

Accuracy : $\pm 1.6\%$ of full scale [63 mm onwards]
 $\pm 2.5\%$ of full scale [50 mm and below]

Ambient temperature : -30...+65°C

Service temperature : 150°C max.

Pressure limits : Steady pressure up to 75% of FS value

Fluctuating pressure up to 90% of FS value

Short time 130% of FS value for range up to 100 bar

Short time 115% of FS value for range above 100 bar

Joints : Silver alloy brazing / soldering

Material of construction

Sensing element : Bourdon Tube

[<100 bar : C - type , >100 bar : Helical]

Case & Ring material : AISI 304 SS [Bayonet / crimped type]

Bourdon tube & Shank : Copper Alloy

Movement mechanism : Copper Alloy

Dial : Aluminum, black graduation on white background

Pointer : Fixed, aluminum, black powder coated

Window : Plexi glass / Sheet glass

Standard version

Dial size : 50 mm / 63 mm / 80 mm / 100 mm

Range : -1...0...700 bar

Mounting pattern : Direct Bottom

Process connection : 1/4" NPT (M) / 1/4" BSP (M) / 1/2" NPT (M)

Ingress protection : IP 65

Execution : Dry / Dry but fillable

Filled version

Glycerin

Gaskets & filling plug : Silicon gasket & Neoprene filling plug

Dampening liquid : Glycerin 99.7% / 80% / 60%

[Service temperature -20°C up to 65°C]

Silicon Oil

Gasket & filling plug : NBR / Viton

Dampening liquid : Silicon oil DC 200

[Service temperature -40°C up to 150°C]

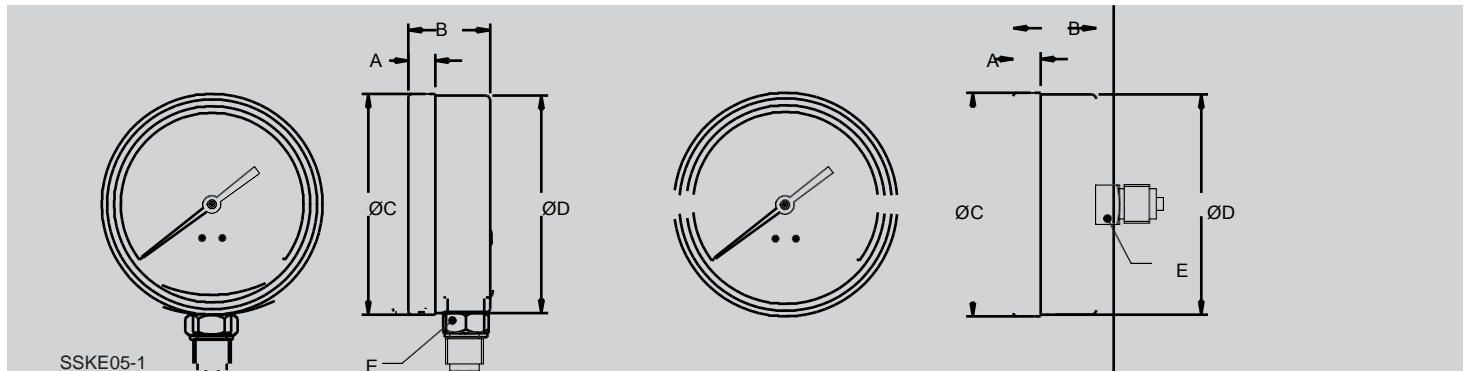
Temperature effect

When temperature of the measuring system deviates from reference temperature (+20°C):

max $\pm 0.4\%$ / 10K of full scale value.

COMMERCIAL PRESSURE GAUGE -SS CASE SSKE05-1

DIMENSIONAL DRAWING



SSKE0
5-1

NS	A	B	ØC	ØD	E
50	9	34	58.5	52	□14
63	12	33	69.7	62.5	□14
80	9.5	33.5	89.5	80	A/F14
100	12	38	111	100	□22

NOTES

1. Drawing not to scale. All dimensions are in mm.
2. For other mounting details, Panel cut-out dimensions, kindly contact factory.

ORDERING CODES

MODEL					SSKE05-1	
SSKE05-1 Commercial pressure gauge (SS Case)						
DIAL SIZE					D2	
D1	2" / 50 mm	D2	2.5" / 63 mm	D3		3" / 80 mm
D4	4" / 100 mm					
MOUNTING					M5	
M1	Direct bottom	M9	Direct center back with front flange			
M2	Direct bottom with Back flange	M10	Direct center back with panel mounting bracket			
M5	Direct center back					
CONNECTION					P4	
P4	¼" NPT (M)	P6	3/8" NPT (M)	P8		½" NPT (M)
P3	¼" BSP (M)	P5	3/8" BSP (M)	P7		½" BSP (M)
P1	1/8" BSP (M)	P2	1/8" NPT (M)			
CASE FILLING					F1	
F1	Dry	F2	Dry but fillable	F3		Glycerin filled
F4	Silicon oil filled					
WETTED PARTS					S12	
S12	Copper alloy					
INGRESS PROTECTION					I1	
I1	IP 65	I5	IP 68			
RANGE					0-10 bar	
0-10 bar	Please mention range required with the measurement unit [SSKE offer in all types of National & International measurement units, e.g. kg/cm ² , psi, kPa, etc. with single or dual scales]					
OPTIONAL EXTRAS					E16/E27	
E33	AISI 316 SS case & ring	E12	Epoxy coating (Case & Ring)	E28		AISI 316 SS tag plate
E16	5 - point calibration certificate	E17	Material test certificate 3.1	E32		Dial tag marking
E27	AISI 304 SS tag plate	E23	Cleaned for Oxygen service			

Ordering Example : **SSKE05-1.D2.M5.P4.F1.S12.I1/0-10 bar/E16/E27**

SHREE SAMARTH KRUPA ENGINEERS

Contact : +91 8155865961, +919586682557

prakash@shree-samarthkrupa.com, www.shree-samarthkrupa.com