

GENERAL PURPOSE STAINLESS STEEL PRESSURE GAUGE

SSKE02

APPLICATIONS

- Liquid & gaseous mediums
- Corrosive environments
- Oil & Gas applications
- Chemical & Petrochemical
- Food & Beverages
- Nuclear power plants

FEATURES

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



GENERAL PURPOSE SS PRESSURE GAUGE, SSKE02

DESCRIPTION

General

Design : EN 837-1

Accuracy : $\pm 1.6\%$ of full scale

Ambient temperature : -40...+65°C [without dampening liquid]
-40...+65°C [with dampening liquid filled silicon oil]

Service temperature : 300°C max.

Pressure limits : Steady pressure up to 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

Weld joints : TIG argon arc welding

Protection class as per EN 837-1 : S1 (80 mm & 100 mm)

Material of construction

Sensing element : Bourdon Tube

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

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

Bourdon tube & Shank : AISI 316 SS / AISI 316L SS

Movement mechanism : AISI 304 SS

Dial : Aluminum, black graduation on white background

Pointer : Fixed, aluminum, black powder coated

Gaskets & filling plug : Neoprene / NBR

Window : Plexi glass

Standard version

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

Range : -1...0...1,000 bar

Mounting pattern : Direct Bottom

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

Ingress protection : IP 65

Execution : Dry / Dry but fillable

Filled versions

Glycerin

Window : Shatterproof safety glass

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

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

Silicon Oil

Window : Shatterproof safety glass

Gasket, Blow off disc & filling plug : NBR / Viton

Dampening liquid : Silicon oil DC 200

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

Temperature effect

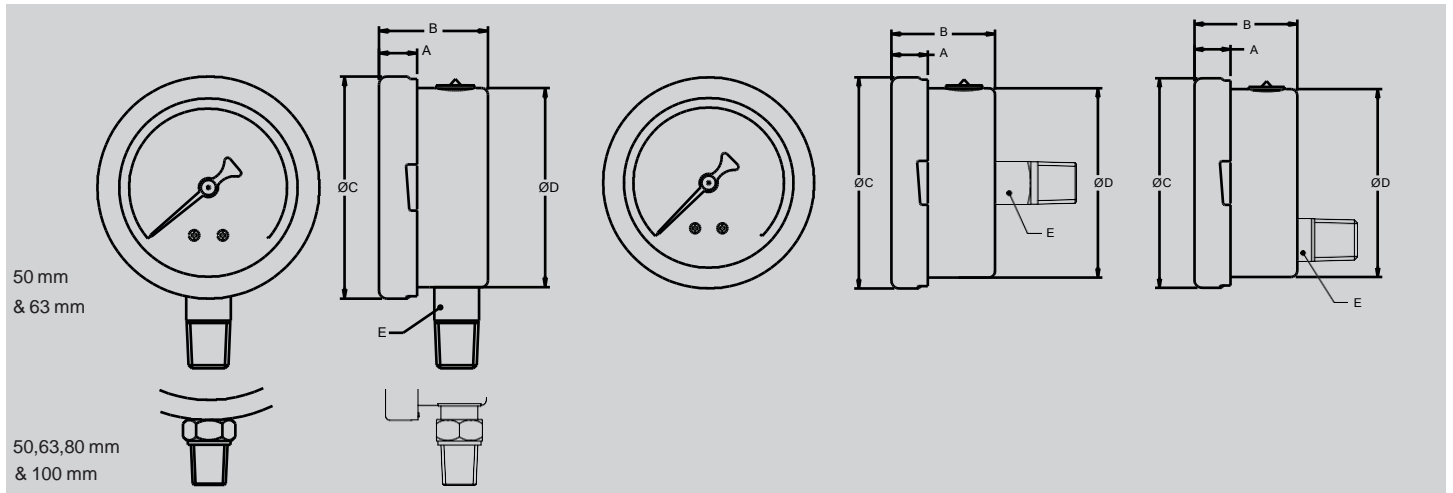
When temperature of the measuring system deviates from reference temperature (+20°C):

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

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DIMENSIONAL DRAWING



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

NOTES

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

ORDERING CODES

MODEL		SSKE02		General purpose stainless steel pressure gauge		SSKE02	
DIAL SIZE		D1		2" / 50 mm		D2	
		D4		4" / 100 mm		D3	
				2.5" / 63 mm		3" / 80 mm	
MOUNTING		M1		Direct bottom		M9	
		M2		Direct bottom with Back flange (Exp in D1)		M10	
		M5		Direct center back		M7	
		M6		Direct lower back (Exp in D1)		M8	
						Direct center back with front flange (Exp in D1/D3)	
						Direct center back with panel mounting clamp (Exp in D1/D3)	
						Direct lower back with front flange (Exp in D1/D3)	
						Direct lower back with panel mounting clamp (Exp in D1/D3)	
CONNECTION		P4		¼" NPT (M)		P8	
		P3		¼" BSP (M)		P7	
		P1		1/8" BSP (M)		P2	
						P6	
						1/8" NPT (M)	
						3/8" BSP (M)	
						½" NPT (M)	
						½" BSP (M)	
CASE FILLING		F1		Dry		F2	
		F4		Silicon oil filled		F3	
						Dry but fillable	
						Glycerin filled	
WETTED PARTS		S03		AISI 316L SS		S01	
						AISI 304 SS ✓	
INGRESS PROTECTION		I1		IP 65		I3	
						IP 67	
RANGE		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		E33		AISI 316 SS case & ring		E23	
		E16		5 - point calibration certificate		E17	
		E27		AISI 304 SS tag plate		E32	
						Cleaned for Oxygen service	
						Material test certificate 3.1	
						Dial tag marking	
						E06	
						E28	
						Maximum Reading pointer (In D2/D4)	
						AISI 316 SS tag plate	
						E16/E27	

Ordering Example : SSKE02-D2.M1.P4.F3.S03.I1/0-10 bar/E16/E27

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