

GAS FILLED TEMPERATURE GAUGE

SSKE51-1

APPLICATIONS

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

FEATURES

- All stainless steel welded construction
- Follows EN 13190 / ASME B40.200
- Accuracy as per Class 1
- Dry / Fillable / Liquid filled



GAS FILLED TEMPERATURE GAUGE, SSKE51-1

DESCRIPTION

General

Design : EN 13190

Accuracy : $\pm 1.0\%$ of full scale

Ambient temperature : $-20...+60^{\circ}\text{C}$

Storage temperature : $-50...+70^{\circ}\text{C}$ without liquid dampening
 $-20...+60^{\circ}\text{C}$ with liquid dampening

Over range limits : 110% full scale

Stem pressure rating : 25 bar (Without thermowell)

Weld joints : TIG argon arc welding

Material of construction

Sensing element : Inert Gas Filled sensor bulb

Case & Ring material : AISI 304 SS

Stem material : AISI 316 SS

Process connection material : AISI 316 SS

Dial : Aluminum, black graduation on white background

Pointer : Micro-zero adjustable, aluminum, black powder coated

Gaskets : Neoprene / NBR

Window : Sheet glass

Temperature effect

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

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

Standard version

Dial size : 100 mm / 150 mm / 250 mm

Range : -50 up to 800°C

Mounting pattern : Direct Bottom connection

Stem size : 6.0 mm / 8.0 mm / 9.5 mm / 12 mm

Ingress protection : IP 65

Stem length : 150 mm standard up to 3000 mm

Process connection type : Adjustable connection

Process connection : $\frac{1}{2}$ " NPT (M) / $\frac{1}{2}$ " BSP (M)

Filled versions

Glycerin

Window : Shatterproof safety glass

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

[Max temperature range limit 100°C]

Silicon Oil

Window : Shatterproof safety glass

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

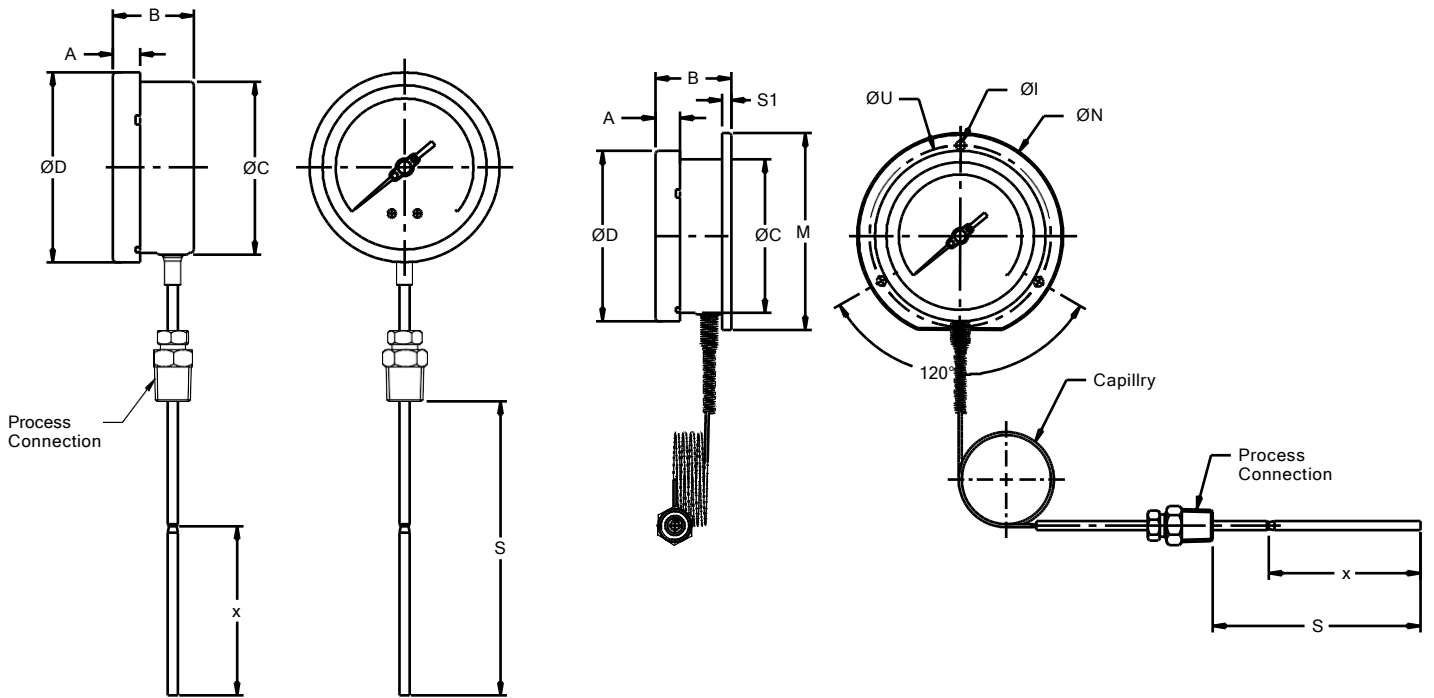
Dampening liquid : Silicon oil DC 200

[Max temperature range limit 200°C]

GAS FILLED TEMPERATURE GAUGE

SSKE51-1

DIMENSIONAL DRAWING



NOTES

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

NS	A	B	ØC	ØD	ØI	ØN	M	S1	ØU
100	12	48	100	111	6	134	128	6	118
150	15	48	149	161	6	186	172.4	6	168
250	18.5	52	250	263	7	290	286.5	1.5	276

ORDERING CODES

MODEL		SSKE51-1		Gas filled temperature gauge		SSKE51-1											
DIAL SIZE		D4		4" / 100 mm		D6		6" / 150 mm		D10		10" / 250 mm		D4			
MOUNTING		Direct type (Rigid stem)		M1		Direct bottom		M5		Direct center back		M12		Every angle center back entry		M1	
		M6		Direct lower back		M16		Bottom with Anti-vibration spring									
		Remote type (Capillary extension)		M2		Direct bottom with Back flange		MF		Direct lower back with front flange							
		M8		Direct lower back with panel mounting clamp													
CONNECTION		P4		¼" NPT (M)		P6		3/8" NPT (M)		P8		½" NPT (M)		P8			
		P3		¼" BSP (M)		P5		3/8" BSP (M)		P7		½" BSP (M)					
CASE FILLING		F1		Dry		F2		Dry but fillable		F3		Glycerin filled		F1			
		F4		Silicon oil filled													
INGRESS PROTECTION		I1		IP 65		I6		IP 68						I6			

Rev 00

© 2016 SSK. All rights reserved. The technical details & specifications are provided as such at the time of printing. Technical changes and omissions may happen later.

