

GAS FILLED TEMPERATURE GAUGE WITH ELECTRIC CONTACT

SSKE53-1

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, SSKE53-1

DESCRIPTION

General

Design : EN 13190
Accuracy : $\pm 1.0\%$ of full scale
Ambient temperature : $-20\dots+60^{\circ}\text{C}$
Storage temperature : $-50\dots+70^{\circ}\text{C}$ without liquid dampening
 $-20\dots+60^{\circ}\text{C}$ 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
Electric Contact : Double; Break contact + Make contact
Electrical Termination : 4 Pin Din connector

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

Window : Shatterproof safety glass / Polycarbonate Glass (Doom Glass)
Gasket, Blow off disc & filling plug : NBR / Viton
Dampening liquid : Dielectric Oil

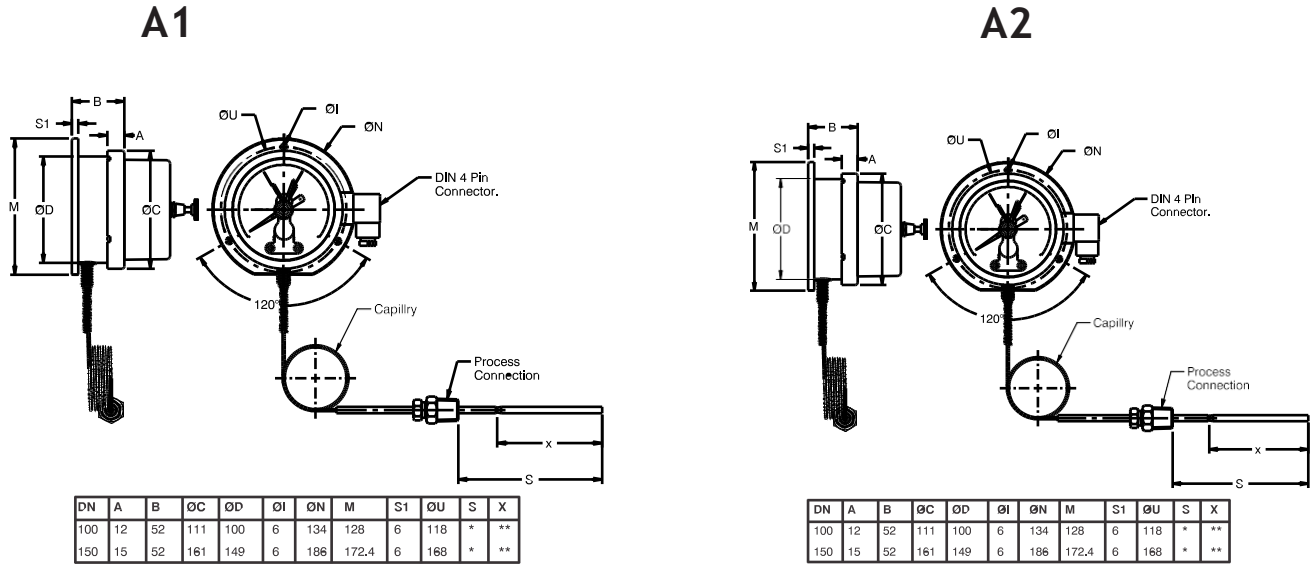
Temperature effect

When temperature of the measuring system deviates from reference temperature ($+20$):
max $\pm 0.4\%$ / 10K of full scale value.

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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.

ORDERING CODES

MODEL

SSKE53-1 Gas filled temperature gauge with Electric Contact

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Electric Contact Type

A1 Electric Contact with Safety Glass **A2** Electric Contact with Polycarbonate Glass (DoomGlass)

A2

DIAL SIZE

D4 4" / 100 mm **D6** 6" / 150 mm

D4

MOUNTING

Direct type (Rigid stem)

M1 Direct bottom **M5** Direct center back **M12**
M6 Direct lower back **M16** Bottom with Anti-vibration spring

M1

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 1/4" NPT (M) **P6** 3/8" NPT (M) **P8** 1/2" NPT (M)
P3 1/4" BSP (M) **P5** 3/8" BSP (M) **P7** 1/2" BSP (M)

P8

CASE FILLING

F1 Dry **F2** Dry but fillable **F9** Die Electric Oil filled

F9

INGRESS PROTECTION

I1 IP 65 **I6** IP 68

I1

