



STAINLESS STEEL

TEMPERATURE GAUGE
INERT GAS FILLED SYSTEM

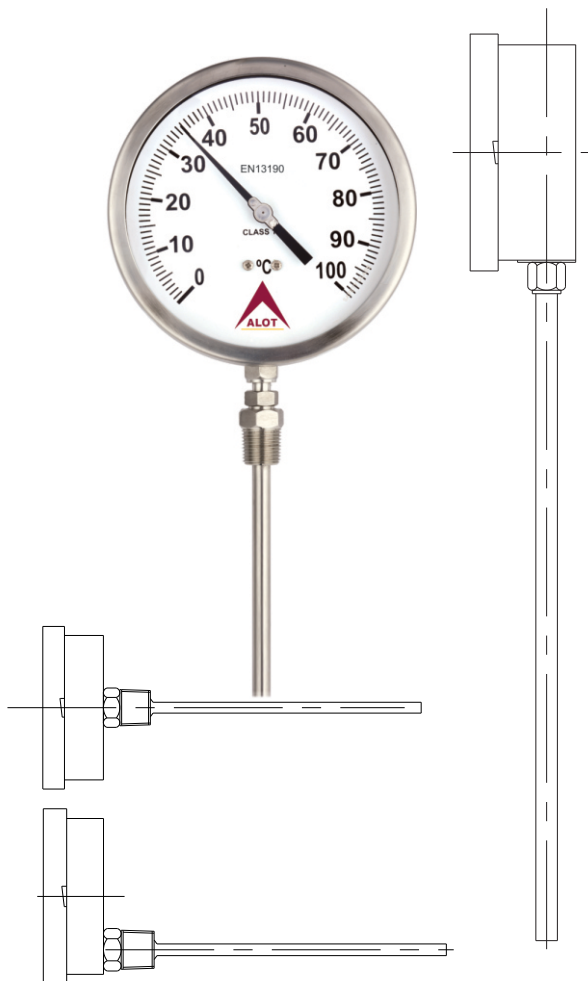
MODEL: TGS

FEATURES:

- Inert gas filled expansion
- Filled version
- Bi-metal compensation

APPLICATION:

- Liquid & gaseous mediums
- Offshore & Shipbuilding
- Pharmaceutical Industries
- Chemical & Petrochemical



STANDARD SPECIFICATIONS

Dial size	100/ 150/ 250 mm
Range	-30°C to +650°C
Mounting pattern	Direct/ Bottom/ Direct Back
Stem size	10 mm Standard 6/ 8/ 12 mm available
Stem length	300 Standard 150/ 400/ 500 mm available
Ingress protection	IP 65
Process connection	1/2 " NPT / BSP / 3/4" BSP(M) Adjustable

MATERIAL OF CONSTRUCTION

Sensing element	Inert Gas Filled
Stem	AISI 316 SS
Process connection	AISI 316SS
Case & Ring material	AISI 304 SS (Bayonet type Bezel)
Dial	Aluminum, black graduation on white background
Pointer	Micro-zero adjustable, aluminum, black powder coated
Gaskets	Neoprene
Window	Sheet / Safety glass

STANDARD PARAMETERS

Accuracy	±1.0% as per EN 13190
Ambient temperature	-25°C to 65°C
Temperature	-50... +65°C (without dampening liquid) -20... +60°C (with dampening liquid)
Over range limits	110% full scale
Stem pressure rating	25 bar (without thermowell)
Joints	TIG argon arc welding

Glycerine filled

Gaskets & Filling plugs	Neoprene
Dampening liquids	Glycerine 99.7% (-20 to 65°C) (up to 100°C)

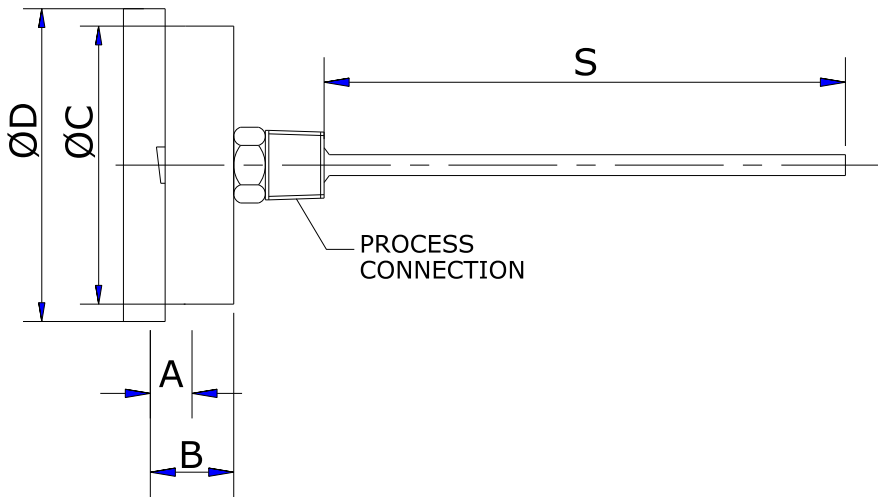
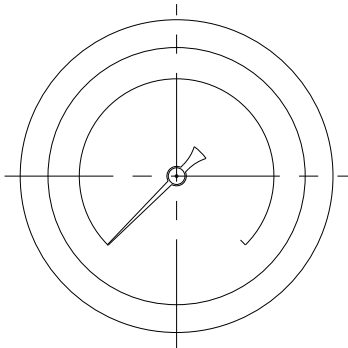
Silicon filled

Gaskets & Filling plugs	Neoprene
Dampening liquids	Silicon oil (up to 200°C)



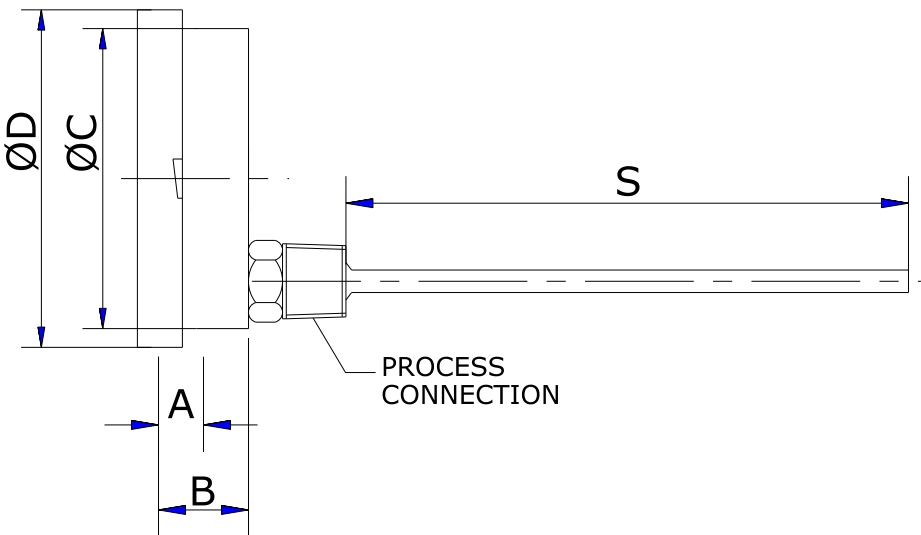
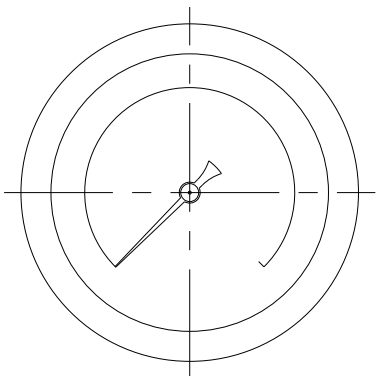
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NS	A	B	ØC	ØD	S
100mm	12	48	100	111	*
150mm	15	48	149	160	*

*As per customer requirement.



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100mm	12	48	100	111	*
150mm	15	48	149	160	*

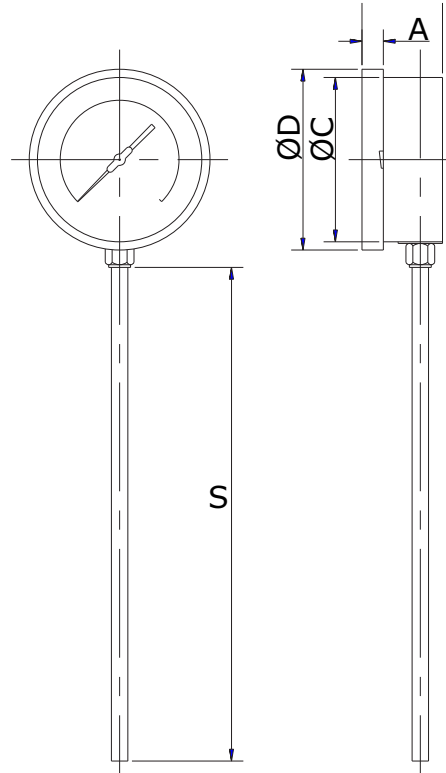
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NS	A	B	ØC	ØD	S
100mm	12	48	100	111	*
150mm	15	48	149	160	*
250mm	18.5	50	250	262	*

*As per customer requirement.

HOW TO ORDER :-

Model No - Dial Size - Mounting - Range - Stem Dimension - Process Connection - Options