



ALL STAINLESS STEEL PRESSURE GAUGE

\\ GSS SERIES

FEATURES

Accuracy Class 1.0
Wide range application
All stainless steel construction
Knock-down system back and front flange
Bayonet lock case design
Over pressure up to 30% of Full Scale
Restrictor screw standard
Excellent vibration resist with liquid filling
Design scale ranges up to 1600 bar

APPLICATION

GSS Series is a premium design pressure gauge with fully stainless steel construction, liquid fillable and with various option used in extreme corrosive & severe environment. GSS series can be incorporate with most accessories such as Diaphragm Chemical seal, Siphon, Dampener, etc.. to further extend it usages. Commonly, uses in Process industries, Mining, Power plants, Steel mills, Pulp & Paper, Water & Sewage, Petrochemical plants, etc..

ORDERING CODE

GSS DIAL 1 <PRESSURE RANGE> 2 MOUNTING 3
- CONNECTION 4 - FILLING 5 - OPTION 6

TECHNICAL SPECS

- \\ Nominal Size
63, 100 and 150 mm
- \\ Accuracy Class
Class 1.0
- \\ Ingress Protection
IP 65 (Weather tight)
- \\ Connection Size
G ½ or ½ NPT
- \\ Scale Range
Pressure 0.. 1600 mbar
Vacuum -1 bar.. 0
Compound -1 .. 24 bar
- \\ Tube Element Shape
P ≤ 100 bar in C tube
P > 100 bar in helicoil
- \\ Filling
Dry or liquid filled
- \\ Operating Temperature
Ambient temperature -30° .. +70°C
Medium temperature 180°C Max.
- \\ Temperature Error
Additional error when pressure
element temperature deviates from
reference temperature +20°C (+68°F)
be ±0.4% / 10°C (50°F) rising or falling
- \\ Over Pressure Limit
130% of F.S. P ≤ 100 bar
115% of F.S. P > 100 bar
- \\ Dial Graduation
Black graduation on white
for single range
Black and red graduation on white
for dual ranges

DESIGN MATERIAL

- \\ Casing and Bezel Ring
Stainless steel 304
- \\ Sensing Element
Stainless steel 316
- \\ Connection
Stainless steel 316
- \\ Window
Plain instrument glass
- \\ Window gasket
Industrial rubber seal
- \\ Pointer
Black painted aluminium
- \\ Dial Plate
Aluminium alloy

1	DIAL SIZE
63	2½" or 63 mm
100	4" or 100 mm
150	6" or 150 mm
3	MOUNTING
BT	Bottom / Direct connection
BC	Lower back connection
BTW	Bottom conn., back flange / Wall
BCS	Back conn., back flange / Surface
BCP	Back conn., front flange / Panel
BCU	Back connection with U-clamp
4	CONNECTION SIZE
G4	G ¼"
N4	¼" NPT
G2	G ½"
N2	½" NPT
5	FILLING
D	Dry
G	Glycerine filled
S	Silicone oil filled
6	OPTION
CD	Custom dial layout
SU	Special unit range
SS	Stainless steel 316 case and bezel
BB	Blow out back case
SG	Laminated safety glass
O2	Oxygen service cleaning
OC	Other connection thread

2	DUAL RANGES	SINGLE RANGE		
	Bar & Psi	Bar or kg/cm2	Psi	kPa
-1.. 0	-30"Hg.. 0	-1.. 0	-30"Hg.. 0	-30"Hg.. 0
-1.. 0.6	-30"Hg.. 8	-1.. 0.6	-30"Hg.. 10	-30"Hg.. 60
-1.. 1.5	-30"Hg.. 20	-1.. 1.5	-30"Hg.. 15	-30"Hg.. 150
-1.. 3	-30"Hg.. 40	-1.. 3	-30"Hg.. 30	-30"Hg.. 300
-1.. 5	-30"Hg.. 70	-1.. 5	-30"Hg.. 60	-30"Hg.. 500
-1.. 9	-30"Hg.. 130	-1.. 9	-30"Hg.. 150	-30"Hg.. 900
-1.. 15	-30"Hg.. 200	-1.. 15	-30"Hg.. 200	-30"Hg.. 1500
-1.. 24	-30"Hg.. 350	-1.. 24	-30"Hg.. 300	-30"Hg.. 2400
0.. 1	0.. 15	0.. 1	0.. 15	0.. 100
0.. 1.6	0.. 23	0.. 1.6	0.. 20	0.. 160
0.. 2.5	0.. 35	0.. 2.5	0.. 30	0.. 250
0.. 4	0.. 60	0.. 4	0.. 60	0.. 400
0.. 6	0.. 85	0.. 6		0.. 600
0.. 7	0.. 100	0.. 7	0.. 100	0.. 700
0.. 10	0.. 150	0.. 10	0.. 150	0.. 1000
0.. 16	0.. 230	0.. 16	0.. 200	0.. 1600
0.. 25	0.. 350	0.. 25	0.. 300	0.. 2500
0.. 40	0.. 600	0.. 40	0.. 600	0.. 4000
0.. 60	0.. 850	0.. 60		0.. 6000
0.. 70	0.. 1000	0.. 70	0.. 1000	0.. 7000
0.. 100	0.. 1500	0.. 100	0.. 1500	0.. 10000
0.. 160	0.. 2300	0.. 160	0.. 2000	0.. 16000
0.. 250	0.. 3500	0.. 250	0.. 3000	0.. 25000
0.. 400	0.. 6000	0.. 400	0.. 6000	0.. 40000
0.. 600	0.. 8500	0.. 600		0.. 60000
0.. 700	0.. 10000	0.. 700	0.. 10000	0.. 70000
0.. 1000	0.. 15000	0.. 1000	0.. 15000	0.. 100000
0.. 1600	0.. 23000	0.. 1600	0.. 20000	0.. 160000