



BST75X Series All Stainless Steel Test Gauge

Features

- Accuracy Class 0.25, 0.5 or *1.0
- Design dial size 150 mm
- Parallax mirror dial for easier reading
- All stainless steel construction
- Bottom, lower back, panel or wall mount
- Over pressure up to 30% of Full Scale
- Restrictor screw standard
- Long life and stability sensing element
- Design scale ranges up to 1000 bar



Application

BST75X Series is a most common design test pressure gauge use for verifying, testing and calibrating industries type pressure gauge. Fully stainless steel construction is used in laboratories or outdoor on the field. Suitable to be used in most industries, such as On & Offshore, power plants, process, pulp and paper, water and sewage and petrochemical plants

Technical Specification

- Nominal Size
150 mm
- Accuracy Class
Class 0.25 or Class 0.5
- Ingress Protection
IP 65
- Connection Size
G $\frac{1}{2}$ or $\frac{1}{2}$ NPT
- Scale Range
Pressure 0.. 1000 bar
Vacuum -1 bar.. 0
Compound -1.. 24 bar
- Tube Element Shape
P \leq 100 bar in C tube
P > 100 bar in helicoil
- Filling
Dry execution
- Operating Temperature
Ambient temperature -30.. +70 °C
Medium temperature 80°C Max.
- Temperature Error
Additional error when pressure element temperature deviates from reference temperature +20°C (+68°F) be $\pm 0.4\%$ / 10 °C (50°F) rising or falling
- Over Pressure Limit
130% of F.S. P \leq 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 316L
- Window
Plain instrument glass
- Window gasket
Industrial rubber seal
- Pointer
Black painted aluminum, knife edge
- Dial Plate
Aluminum alloy



Ordering Code



BRO THOTERM
GERMANY TECHNOLOGY

BST^① <Pressure range>^② Mounting^③ - Connection^④ - Filling^⑤ *Option^⑥

①	Dial size - Accuracy Class
BST758	150 mm - Class 0.25
BST759	150 mm - Class 0.5

③	Mounting
D	Bottom / Direct connection
B	Lower back connection
W	Bottom conn., back fange / Wall
S	Back conn., back fange / Surface
P	Back conn., front fange / Panel

④	Connection size
G4	G $\frac{1}{4}$ "
N4	$\frac{1}{4}$ " NPT
G2	G $\frac{1}{2}$ "
N2	$\frac{1}{2}$ " NPT

⑤	Filling
D	Dry, not available for filling

⑥	Option
CD	Custom dial layout
SU	Special unit range
BB	Blow out back case
SG	Laminated safety glass
O2	Oxygen service cleaning
OC	Other connection thread

② Dual ranges			Single ranges		
Bar	& Psi		Bar or kg/cm2	Psi	kPa
-1.. 0	-30"Hg.. 0		-1.. 0	-30"Hg.. 0	-100.. 0
-1.. 0.6	-30"Hg.. 8		-1.. 0.6	-30"Hg.. 10	-100.. 60
-1.. 1.5	-30"Hg.. 20		-1.. 1.5	-30"Hg.. 15	-100.. 150
-1.. 3	-30"Hg.. 40		-1.. 3	-30"Hg.. 30	-100.. 300
-1.. 5	-30"Hg.. 70		-1.. 5	-30"Hg.. 60	-100.. 500
-1.. 9	-30"Hg.. 130		-1.. 9	-30"Hg.. 150	-100.. 900
-1.. 15	-30"Hg.. 200		-1.. 15	-30"Hg.. 200	-100.. 1500
-1.. 24	-30"Hg.. 350		-1.. 24	-30"Hg.. 300	-100.. 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