

BST900 Series 10" Stainless Steel Test Gauge



Features

- Accuracy Class 0.25 or Class 0.5
- Design dial size 250 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

Technical Specification

- Nominal Size
250 mm or 10"
- Accuracy Class
Class 0.25 or 0.5 of Full Scale
- Ingress Protection
IP 65
- Connection Size
G $\frac{1}{2}$ or $\frac{1}{2}$ NPT
- Scale Range
Pressure 0.. 1 up to 1000
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, Bezel Ring, movement
Stainless steel 304
- Bourdon tube
Copper alloy/Beryllium
- Connection
Stainless steel 316L
- Window
Mineral glass
- Window gasket
Industrial rubber seal
- Pointer
Black painted aluminum, knife edge
- Dial Plate
Aluminum alloy

Ordering Code



B BROTHOTERM
GERMANY TECHNOLOGY

BST900^① <Pressure range>^② Mounting^③ - Connection^④ - Filling^⑤ *Option^⑥

②	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

③	Connection size
G4	G $\frac{1}{4}$ "
N4	$\frac{1}{4}$ " NPT
G2	G $\frac{1}{2}$ "
N2	$\frac{1}{2}$ " NPT

④	Filling
D	Dry, not available for filling

⑤	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

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