



BSV06 Series 10" Stainless Steel Test Gauge

Features

- Accuracy Class 0,25 or Class 0,5
- External Calibration Device (ECD)
- Memorized Maximum range Device (MMD)
- Parallax mirror dial for easier reading
- Design dial size 120 and 160 mm
- Bottom, back, panel or wall mounting
- Over pressure up to 30% of Full Scale
- Knife edge pointer design
- Design scale ranges up to 600 bar



Application

- BSV Series is another extended series of BSV Solid Forged aluminium case test gauge and com with dial size 120 mm and 160mm. It complete with fine division dial design and mirror anti parallax band to be used as a master gauge. BSV06 come with 2 different degrees of accuracy to match your application (Standard accuracy of 0.5% or better 0.25%) and with additional External Calibration Device (ECD) locate on the front face to be
- easy access for fineadjustment on zeroing offset.

Technical Specification

- Nominal Size
120 and 160 mm
- Accuracy Class
Class 0.25 or Class 0.5
- Ingress Protection
IP 54
- Connection Size
G½, G¾ or NPT
- Scale Range
Pressure 0.. 600 bar
Vacuum -1 bar.. 0
Compound -1.. 24 bar
- Tube Element Shape
P ≤ 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 ±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
Parallax mirror dial design for easier reading



Design Material

- Casing
Forged aluminum
- Wetted Parts
Beryllium copper alloy, *Stainless steel
- Window
Safety laminated glass with
External Calibration Device (ECD)
- Window gasket
EPDM (Ethylene Propylene Rubber)
- Pointer
Black painted aluminium, knife edge
- Dial Plate
Aluminium alloy



Ordering Code



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BSV^① <Pressure range>^② Mounting^③ - Connection^④ *Option^⑤

| ① | Dial size - Accuracy Class |
|--------|----------------------------|
| BSV561 | 120 mm - Class 0,25 |
| BSV562 | 120 mm - Class 0,5 |
| BSV761 | 160 mm - Class 0,25 |
| BSV762 | 160 mm - Class 0,5 |

| ③ | Mounting |
|---|----------------------------------|
| B | Bottom / Direct connection |
| C | 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 | G¾" |
| N4 | ¾" NPT |
| G2 | G½" |
| N2 | ½" NPT |

| ⑥ | Option |
|----|-------------------------------|
| CD | Custom dial layout |
| SU | Special unit range |
| BB | Blow out back case |
| SS | Stainless steel wetted part ! |
| 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 |

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