



SC Series

Stainless Steel Case Pressure Gauge

Features

- Accuracy Class 1.6, *Class 1.0
- Wide range vibration application
- Stainless steel case design
- 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 1000 bar



Application

SC Series is a special design with stainless steel case and copper alloy wetted part and fillable option for extreme vibration application and non-corrosive ambient field condition, with bayonet lock case design. Applicable for pneumatic and hydraulic systems, compressors, engines, pumps, sprinkles system, building automation system and processing unit where vibration is concern.

Technical Specification

- Nominal Size
50, 63, 100 and 150 mm
- Accuracy Class
Class 1.6, Class 1.0 (Ø >100mm)
- Ingress Protection
IP 65 (Weather tight)
- Connection Size
G¼, G½ or NPT
- Scale Range
Pressure 0.. 1000 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 or liquid filled
- Operating Temperature
Ambient temperature -10°.. +70°C
Medium temperature 90°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
Copper alloy
- Connection
Brass
- Window
Plain instrument glass
- Window gasket
Industrial rubber seal
- Pointer
Black painted aluminium
- Dial Plate
Aluminium alloy



Ordering Code



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

| ① | Dial Size |
|-----|------------------------------------|
| 200 | 2" or 50 mm |
| 250 | 2½" or 63 mm |
| 500 | 4" or 100 mm |
| 750 | 6" or 150 mm |
| ③ | Mounting |
| D | Bottom / Direct connection |
| B | Lower back connection |
| W | Bottom conn., back flange / Wall |
| S | Back conn., back flange |
| P | Back conn., front flange / Panel |
| U | Back connection with U-clamp |
| ④ | Connection size |
| G4 | G ¼" |
| N4 | ¼" NPT |
| G2 | G ½" |
| N2 | ½" NPT |
| ⑤ | Filling |
| D | Dry (Not fillable) |
| G | Glycerine filled |
| S | Silicone oil filled |
| ⑥ | Option |
| CD | Custom dial layout |
| SS | Stainless steel 316 case and bezel |
| MP | Micrometer adjustment pointer |
| 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 | -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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