

# Bourdon Sensing Pr. Gauges-40-50-63

**MODEL : SMBSPG (Dry Case)**  
**LFSMBSPG (Liquid Filled Case)**

## Features

- Designed to fulfill most industrial requirements as well as commercial
- Range : (-) 1 to 400 kg/cm<sup>2</sup>
- Bourdon in SS316 as standard
- Accuracy ± 2% FSD
- Unit of measurement - kg/cm<sup>2</sup>, bar, PSI



- Pressure Gauges are developed for OEM applications in compressed gases. Lubricating circuits etc.

## Specifications

**Table 5**

<b>Dial</b>	40 mm / 50 mm / 63 mm in Aluminium, white background, black markings
<b>Case</b>	Pressed Steel, epoxy painted black / SS304
<b>Bourdon</b>	Ph. Bronze / SS316
<b>Movement</b>	Brass / SS304
<b>Range</b>	(refer table 5) minimum span 1 kg/cm <sup>2</sup> , maximum 400 kg/cm <sup>2</sup>
<b>Accuracy</b>	± 2% FSD
<b>Over range</b>	125% FSD for ranges upto 100 kg/cm <sup>2</sup> & 115% FSD for higher ranges
<b>Suitability</b>	(-) 20°C to 80°C for ferrous system (service temperature) (-) 20°C to 60°C for non-ferrous system (service temperature)
<b>Blow out disc</b>	Provided (on top)
<b>Optional</b>	Glycerine filled case (in 63mm dial & SS case only) Built in Snubber
<b>Note</b>	For availability ranges in different dial sizes, please refer table 5

Range Bar(g), kg/cm <sup>2</sup> (g)	System - SS			System - PB		
	1-1/2" Dial	2" Dial	2-1/2" Dial	1-1/2" Dial	2" Dial	2-1/2" Dial
(-) 1 to 0 Vacuum	x	x	Yes	x	Yes	Yes
(-) 1 to (+)1.5	x	Yes	Yes	x	Yes	Yes
(-) 1 to (+)3	x	Yes	Yes	x	Yes	Yes
(-) 1 to (+)5	x	Yes	Yes	x	Yes	Yes
(-) 1 to (+)9	x	Yes	Yes	x	Yes	Yes
(-) 1 to (+)15	x	Yes	Yes	x	Yes	Yes
(-) 1 to (+)24	x	Yes	Yes	x	Yes	Yes
(-) 1 to (+)39	x	Yes	Yes	x	Yes	Yes
0 to 1	x	x	Yes	Yes	Yes	Yes
0 to 1.6	Yes	Yes	Yes	Yes	Yes	Yes
0 to 2.5	Yes	Yes	Yes	Yes	Yes	Yes
0 to 4	Yes	Yes	Yes	Yes	Yes	Yes
0 to 6	Yes	Yes	Yes	Yes	Yes	Yes
0 to 10	Yes	Yes	Yes	Yes	Yes	Yes
0 to 16	x	Yes	Yes	x	x	x
0 to 25	x	Yes	Yes	x	x	x
0 to 40	x	Yes	Yes	x	x	x
0 to 60	x	Yes	Yes	x	x	x
0 to 100	x	Yes	Yes	x	x	x
0 to 160	x	Yes	Yes	x	x	x
0 to 250	x	Yes	Yes	x	x	x
0 to 400	x	Yes	Yes	x	x	x

Yes = Range Available X = Range not available

System	Bourdon	Socket	Movement
PB	Ph. Bronze	Brass	Brass
SS	SS316	SS316	SS304

# Ordering Information

## MODEL : SMBSPG / LFSMBSPG



**MOUNTING**  
 V Bottom Entry, Local Mounting  
 C Back Entry, Local Mounting  
 P Back Entry, Flush Panel Mounting  
 (with front Flange having 3 holes)  
 B Back Entry, Flush Panel Mounting\*  
 (with Bracket from back side)

**DIAL**  
 04 - 40 mm      06 - 63 mm  
 05 - 50 mm

**CASE**  
 PS Pressed Steel  
 SS SS304

**BOURDON/SOCKET**  
 P Phosphor Bronze / Brass  
 S SS316 / SS316

**MOVEMENT**  
 2 - Brass  
 4 - SS304

**OPTION**  
 D Dual Scale  
 G Glycerine filled case  
 L Nil  
 BS Built in Snubber  
 X Accessory - Refer  
 Catalogue ACC

**UNIT**  
 A kg/cm<sup>2</sup>(g)  
 B Bar(g)  
 C PSI(g)  
 X Please Specify

**RANGE**  
 Refer Table 5

CONNECTION				
SIZE	TYPE	MALE / FEMALE	METRIC THREADS	
4 1/8"	NT NPT	M Male	18 M - M 18 x 1.5	
6 1/4"	NT NPT	F Female	20 M - M 20 x 1.5	
10 3/8"	BP BSP		24 M - M 24 x 1.5	
15 1/2"	BT BSPT		27 M - M 27 x 2	
20 3/4"	PF PF		33 M - M 33 x 2	
25 1"	GS Gas		XX - Any other	
32 1.1/4"	NS NPS			
40 1.1/2"				

\* Mounting "B" is available in 63mm dial size only

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