

# SFMG

Solid Front SS Case Test Gauge (Accuracy  $\pm 0.25\%$ )  
Bourdon type



CE



High Precision Jeweled Bearing Movement



Beryllium Copper Tube



SS 316L / Monel Tube

## Special Features

- Solid Front Safety Pattern Design Case
- Stainless steel case & high precision measuring system
- High resolution dial
- Anti parallax mirror band (eye friendly)
- Socket directly welded to case
- Standard followed in general EN 837-1
- Calibration certificate with traceability to National / International standards.

## Application

- Calibration / testing in laboratory
- Fits for various process Industries and all gaseous / liquid media that will not obstruct the pressure system

## Specifications

### Standard Version : 150 mm

Accuracy	:	$\pm 0.25\%$ of F.S. for (At $+20^{\circ}\text{C}$ )
Ambient temperature	:	Maximum $65^{\circ}\text{C}$
Process temperature	:	Maximum $65^{\circ}\text{C}$
Operating pressure range	:	75% of the Scale Value

Case & Bezel	:	AISI 304 SS (Bayonet Type)
Bourdon	:	AISI 316L SS / Beryllium Copper / Monel - 400
Socket	:	AISI 316L SS / Monel - 400
Movement	:	AISI 304 SS or AISI 316 SS High Precision Jewel Bearing
Integral Dampening Screw	:	AISI 316 SS / Monel

Protection	:	IP 65 / IP 68
Dial	:	Aluminum, Green with Black Marking & Anti Parallax Mirror Band
Pointer	:	Balanced, Knife Edge Micrometer Adjustable
Pointer Stopper	:	Spring Type
Gasket	:	Neoprene
Welding	:	Alloy Brazing
Window	:	Toughened / Shatter proof Safety Glass / Crystal Clear Plexi Glass
Blow Off Disc	:	Neoprene
Carrying Case	:	Plastic carrying case
Calibration certificate	:	Calibration certificate traceable to National / International standard.

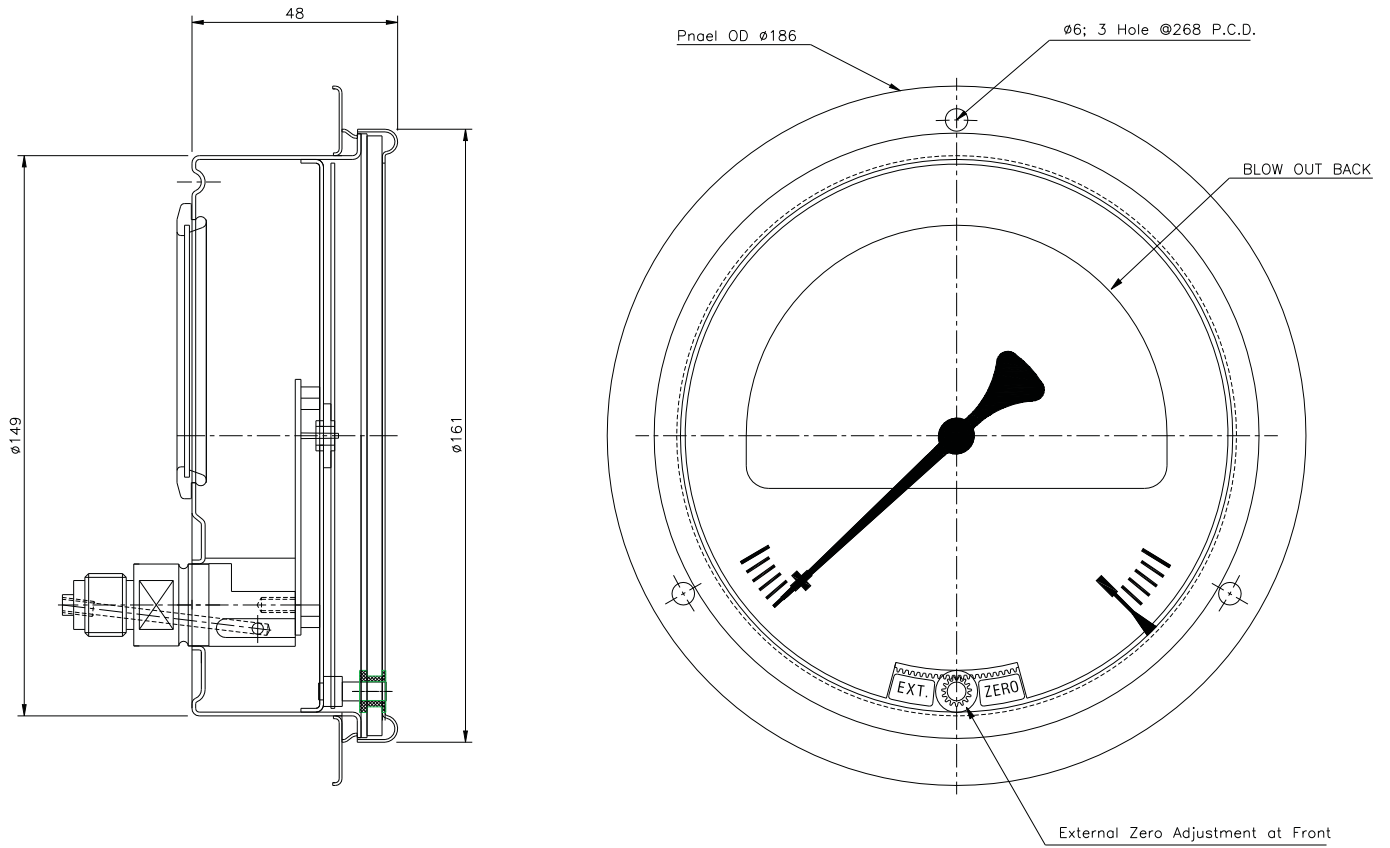
### Temperature effect :

The variation of indication caused by effects of temperature is to be calculated by below formula; which is to be added in the specified accuracy while measurement :- Formula :  $\pm 0.04 \times (t_2 - t_1) \%$  of F. S. where  $t_1$  = reference temperature ( $+20^{\circ}\text{C}$ ) and  $t_2$  = ambient temperature in  $^{\circ}\text{C}$ .

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## Dimensions - standard version



### Range Table

Note : We offer National / International Scales like kPa, MPa, bar, psi, kg/cm<sup>2</sup> & Dual Scale like kPa with psi, kPa with bar, bar with psi or Equivalent scales as per the requirement can be provided on request. Following are the example tables for kg/cm<sup>2</sup> or bar

#### Pressure range

Single scale (kg/cm <sup>2</sup> or bar)					
0/0.6	0/4	0/25	0/160	0/1000	
0/1	0/6	0/40	0/250		
0/1.6	0/10	0/60	0/400		
0/2.5	0/16	0/100	0/600		
Dual scale (psi with kg/cm <sup>2</sup> )					
psi	kg/cm <sup>2</sup>	psi	kg/cm <sup>2</sup>	psi	kg/cm <sup>2</sup>
0/15	0/1	0/400	0/28	0/4000	0/280
0/30	0/2	0/500	0/35	0/5000	0/350
0/60	0/4	0/600	0/40	0/6000	0/420
0/100	0/7	0/1000	0/70	0/10000	0/700
0/150	0/10	0/1500	0/100	0/15000	0/1000
0/230	0/16	0/2300	0/160		
0/300	0/20	0/3000	0/200		

#### Vacuum range

Single scale		Accessories (Refer Datasheet for complete specifications)
(kg/cm <sup>2</sup> or bar)	(mmHg)	
- 1/0	- 760/0	<b>GS</b> Overload protector (gauge saver)

Note : Other Scale are available on customer request.

Please refer to factory. Compound ranges are not preferred.

### How To Order

How To Order					Example	
<b>Basic Model</b>					SFMG	
<b>Code</b>						
<b>Nominal Size</b>	60				XX or XXX	
	150 mm					
<b>Type of Mounting</b>						
5	Lower back entry with front flange				X	
<b>Gauge Connection</b>						
4BM	1/2" BSP (M) Standard	2NM	1/4" NPT (M)	4NM	1/2" NPT (M) Standard	XXX
<b>Tube &amp; Socket Material</b>						
SL	SS 316L Tube & SS 316 Socket	MO	Monel Tube & Socket	BS	Beryllium Copper Tube & SS or Brass Socket	XX
<b>Range</b>						
Refer range table					Note : Female Gauge Connections are available on request.	
<b>Optional Extras</b>						
CDD	Custom designed dial	HLT	Helium leak test		XXX	
TND	Tag Marking no on Dial	PLG	Plexi glass			
STP	SS tag plate					
<b>Ordering Example: TG . XX . X . XXX . XX. 0/10 kg/cm<sup>2</sup>. XXX</b>						

For other optional items, please contact factory for delivery and minimum quantity of order.

Note : Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing. Modifications may take place and materials specified may be replaced by others without prior notice.