

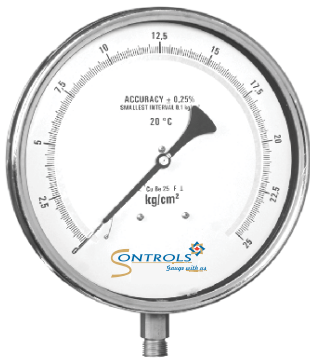
## BOURDON TYPE

### SPECIAL FEATURES

- 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.

### APPLICATIONS

CALIBRATION / TESTING IN LABORATORY, FITS FOR VARIOUS PROCESS INDUSTRIES AND ALL GASEOUS / LIQUID MEDIA THAT WILL NOT OBSTRUCT THE PRESSURE SYSTEM.



### SPECIFICATIONS

STANDARD VERSION : 100mm, 150 mm, 200 mm & 250 mm

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

Ambient temperature	:	Maximum 65°C
Process temperature	:	Maximum 65°C
Accuracy	:	$\pm 0.25\%$ of F. S. (At +20 °C)
Operating Pressure Range	:	75 % of the Scale Value

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	:	Shatter proof / Safety Glass
Blow Off Disc	:	Neoprene
Protection	:	IP 65
Calibration certificate	:	Calibration certificate traceable to National/ International standard.
Carrying Case	:	Wooden carrying case

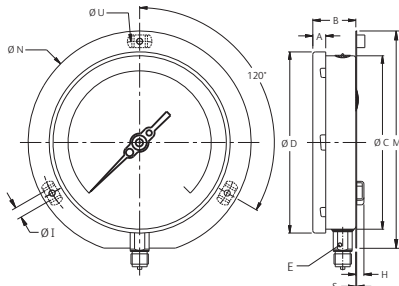
### TEMPERATURE EFFECT:

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 :  $\pm 0.04 \times (t_2 - t_1) \% \text{ of F. S.}$

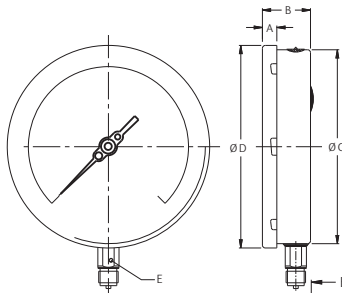
where  $t_1$  = reference temperature (+20°C) and  $t_2$  = ambient temperature in °C.

## BOURDON TYPE



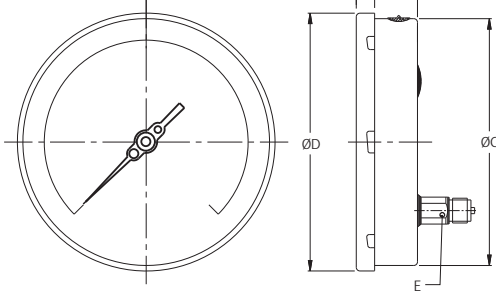
**TYPE BMW**

NS (mm)	A	B	ØC	ØD	E	M	ØN	ØU	H	ØI	S	Weight in gram (With Wooden Box)
100	12.5	45	100	111	22	128	134	118	14.5	6	6	720.0
150	15	46.5	149	161	22	174.5	186	168	14.5	6	6	1160.0
200	18	49	201.5	216.5	22	-	245	230	14.5	7	1.5	2050.0
250	18	52	250	263	22	286.5	290	276	14.5	7	1.5	2450.0

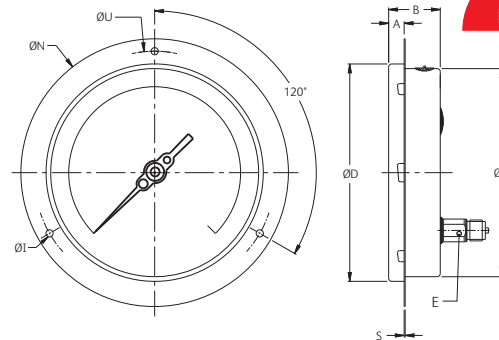


**TYPE BM**

NS (mm)	A	B	ØC	ØD	E	Weight in gram (With Wooden Box)
100	12.5	47	100	111	22	640.0
150	15	49	149	161	22	1100.0
200	18	49	201.5	216.5	22	1975.0
250	18	52	250	263	22	2375.0



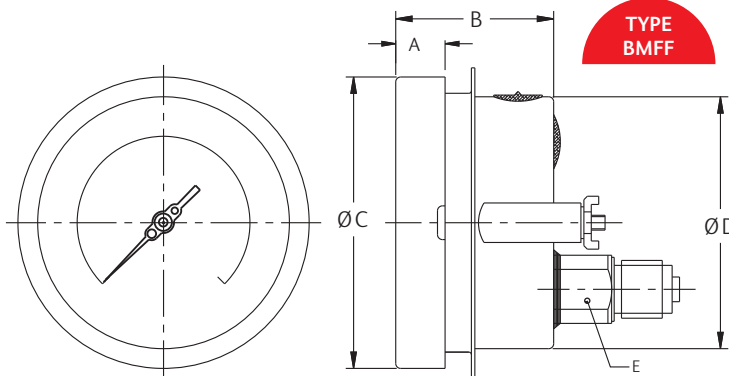
**TYPE LBM**



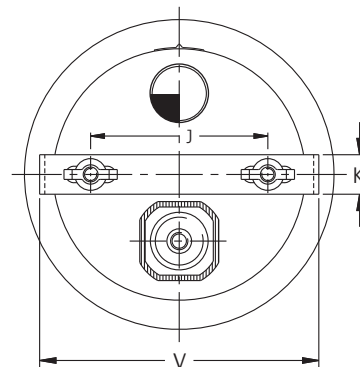
**TYPE LBMFF**

NS (mm)	A	B	ØC	ØD	E	Weight in gram (With Wooden Box)
100	12.5	47	100	111	22	935.0
150	15	49	149	161	22	1075.0
200	18	49	201.5	216.5	22	1950.0
250	18	52	250	263	22	2350.0

NS (mm)	A	B	ØC	ØD	E	ØN	ØU	ØI	S	Weight in gram (With Wooden Box)
100	12.5	47	111	100	22	134	118	6	1	695
150	15	49	149	161	22	186	168	6	5	1160.0
200	18	49	201.5	216.5	22	245	230	7	1.5	2030.0
250	18	52	250	263	22	290	276	7	1.5	2480.0



**TYPE BMFF**



NS (mm)	A	B	ØC	ØD	E	J	K	V	Weight in gram (With Wooden Box)
100	12.5	47	111	100	22	72	16	108	740
150	15	49	161	149	22	106.5	16	166	1120.0
200	18	49	210.5	201.5	22	165	16	208	1950.0
250	18	52	263	250	22	180	30	270	2300.0

Notes : • Drawings are not to scale. • All Dimensions are in mm. • NS = Nominal Size  
• Weights mentioned are approximate and for standard product. Weight can be different after selection of options.

## RANGE TABLE

Note: STRATAA CONTROLS offers 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> & psi scales

## 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 (kg/cm <sup>2</sup> with psi)					
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
0/220	0/16	0/2200	0/160		
0/300	0/20	0/3000	0/200		

## VACUUM RANGE

SINGLE SCALE	(kg/cm <sup>2</sup> or bar)	(mmHg)
- 1/0		- 760/0

## ACCESSORIES (Refer Datasheet for complete specifications)

GS	OVER LOAD PROTECTOR	OR (GAUGE SAVER)**
NV	NEEDLE VALVE	

\* Refer catalogue for Valves & Manifolds. \*\* For Pressure Ranges.

Note : Other Scale are available on customer request.

Please refer to factory .

Compound ranges are not preferred.

## HOW TO ORDER

BASIC MODEL 2211 PG SSTG

<table border="0" style="width: 100%;"> <tr> <td style="width: 25%;">CODE</td> <td style="width: 12.5%; text-align: center;"><b>100</b></td> <td style="width: 12.5%; text-align: center;"><b>150</b></td> <td style="width: 12.5%; text-align: center;"><b>200</b></td> <td style="width: 12.5%; text-align: center;"><b>250</b></td> </tr> <tr> <td>NOMINAL SIZE (mm)</td> <td style="text-align: center;">100 mm</td> <td style="text-align: center;">150 mm</td> <td style="text-align: center;">200 mm</td> <td style="text-align: center;">250 mm</td> </tr> </table>	CODE	<b>100</b>	<b>150</b>	<b>200</b>	<b>250</b>	NOMINAL SIZE (mm)	100 mm	150 mm	200 mm	250 mm	→										
CODE	<b>100</b>	<b>150</b>	<b>200</b>	<b>250</b>																	
NOMINAL SIZE (mm)	100 mm	150 mm	200 mm	250 mm																	
<p><b>TYPE OF MOUNTING</b></p> <table border="0" style="width: 100%;"> <tr> <td style="width: 25%;">BMW</td> <td style="width: 25%;">BOTTOM COMPLETE WITH FRONT FLANGE</td> <td style="width: 25%;">LBMFF</td> <td style="width: 25%;">LOWER BACK ENTRY WITH FRONT FLANGE</td> </tr> <tr> <td>BM</td> <td>BOTTOM</td> <td>BMFF</td> <td>LOWER BACK ENTRY WITH MOUNTING BRACKET</td> </tr> <tr> <td>LBM</td> <td>LOWER BACK</td> <td></td> <td></td> </tr> </table>	BMW	BOTTOM COMPLETE WITH FRONT FLANGE	LBMFF	LOWER BACK ENTRY WITH FRONT FLANGE	BM	BOTTOM	BMFF	LOWER BACK ENTRY WITH MOUNTING BRACKET	LBM	LOWER BACK			→								
BMW	BOTTOM COMPLETE WITH FRONT FLANGE	LBMFF	LOWER BACK ENTRY WITH FRONT FLANGE																		
BM	BOTTOM	BMFF	LOWER BACK ENTRY WITH MOUNTING BRACKET																		
LBM	LOWER BACK																				
<p><b>GAUGE CONNECTION</b></p> <table border="0" style="width: 100%;"> <tr> <td style="width: 25%;">2BSM</td> <td style="width: 25%;">½" BSP (M) STANDARD</td> <td style="width: 25%;">4NPM</td> <td style="width: 25%;">1/4" NPT (M) STANDARD</td> </tr> <tr> <td></td> <td></td> <td>2NPM</td> <td>½" NPT (M) STANDARD</td> </tr> </table> <p>Note : Female Gauge Connections are available on request.</p>	2BSM	½" BSP (M) STANDARD	4NPM	1/4" NPT (M) STANDARD			2NPM	½" NPT (M) STANDARD	→												
2BSM	½" BSP (M) STANDARD	4NPM	1/4" NPT (M) STANDARD																		
		2NPM	½" NPT (M) STANDARD																		
<p><b>RANGE</b></p> <p>REFER RANGE TABLE</p>	→																				
<p><b>OPTIONAL EXTRAS</b></p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">CD</td> <td style="width: 50%;">CUSTOM DESIGNED DIAL</td> <td style="width: 50%;">LT</td> <td style="width: 50%;">HELIUM LEAK TEST</td> </tr> <tr> <td>TM</td> <td>DIAL TAG MARKING</td> <td>PG</td> <td>PLEXI GLASS</td> </tr> <tr> <td>ST</td> <td>SS TAG PLATE</td> <td></td> <td></td> </tr> </table>	CD	CUSTOM DESIGNED DIAL	LT	HELIUM LEAK TEST	TM	DIAL TAG MARKING	PG	PLEXI GLASS	ST	SS TAG PLATE			→								
CD	CUSTOM DESIGNED DIAL	LT	HELIUM LEAK TEST																		
TM	DIAL TAG MARKING	PG	PLEXI GLASS																		
ST	SS TAG PLATE																				

OPTIONS

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.