Model KM200

Mechanical Pressure Gauge

Applications

- For measuring points with high dynamic pressure loads or vibrations
- For gaseous and liquid media that are not highly viscous or crystallising and will not attack stainless steel parts
- Hydraulics
- Compressors, shipbuilding

Special features

- Vibration and shock resistant
- Design per EN 837-1
- Nominal size 63, 100 and 150
- Scale ranges up to -1... 0 ... 1000 bar

Description

- Nominal size in mm : 63, 100 and 150
- Accuracy class:
  NS 63 : 2.5
  NS 100 , 150 : 1.0
- Scale ranges : 0 ... 0.6 to 0 ... 1000 bar or all equivalent vacuum or combined pressure and vacuum ranges
- Pressure limitation

	NS 63	**NS 100 , 150**
Steady	: 3/4 x full scale value	Full scale value
Fluctuating	: 2/3 x full scale value	0.9 x full scale value
Short time	: Full scale value	1.3 x full scale value

- Permissible temperature:
  Ambient: -20 ... +60 °C
  Medium: +60 °C maximum
- Temperature effect:¬ When the temperature of the measuring system deviates from the reference temperature (+20 °C): max. ±0.4 %/10 K of the span

Standard version

- Process connection: stainless steel
  lower mount (LM) or back mount (BM)
- Pressure element (bourdon tube): stainless steel / brass C-type or helical type
- Movement: stainless steel
- Dial: Aluminum, dial scale can be customized
- Pointer: Aluminum, black or white
- Window: Poly-carbonate
- Case: polished or matte stainless steel
- Bezel ring: Crimp ring or bayonet bezel
- O-ring seal between case and connection.
- Filling liquid: Glycerine or silicone

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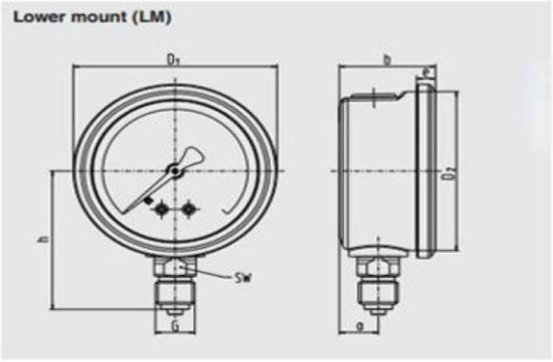
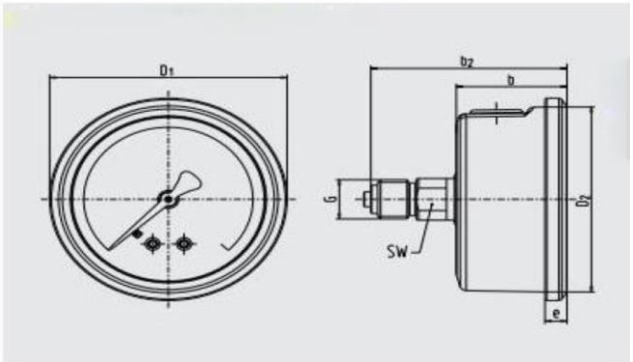
Dimensions in mm





NS	Dimensions in mm							
	b	B_2	D_1	D_2	g	e	h	SW
63	32	56	68	62	1/4" NPT	13	54	14
100	39	59	115	100	1/2" NPT	16	77	22
150	50	90	160	150	1/2" NPT	18	110	22

Ordering information

Basic Model KM100

1. Design Material	Code
Stainless steel	SS
Stainless - Brass	SB

2. Case Size	code
63 mm	A
100 mm	B
150 mm	C

3. Mounting	Code
Bottom	R
Back	P

4. Connection Size	Code
1/4" NPT	D4N
1/2" NPT	D2N

5. Filling detail	Code
Dry	D
Glyserin	G

7. Options	Code
Back Flange	RF
Front Flange	PF

6. Pressure Range		Code
-30"Hg – 0 psi	-1 – 0 bar	1
-30"Hg – 9 psi	-1 - 0.6 bar	2
-30"Hg – 30 psi	-1 - 1.5 bar	3
-30"Hg – 60 psi	-1 – 3 bar	4
-30"Hg – 100 psi	-1 – 5 bar	5
-30"Hg – 160 psi	-1 – 9 bar	6
-30"Hg – 200 psi	-1 – 15 bar	7
-30"Hg – 350 psi	-1 – 24 bar	8
0 – 15 psi	0 - 1 bar	9
0 – 23 psi	0 - 1.6 bar	10
0 – 30 psi	0 - 2.5 bar	11
0 – 60 psi	0 - 4 bar	12
0 – 100 psi	0 - 6 bar	13
0 – 160 psi	0 - 10 bar	14
0 – 200 psi	0 - 16 bar	15
0 – 300 psi	0 - 25 bar	16
0 – 600 psi	0 - 40 bar	17
0 – 800 psi	0 - 60 bar	18
0 – 1500 psi	0 - 100 bar	19
0 – 2000 psi	0 - 160 bar	20
0 – 3000 psi	0 - 250 bar	21
0 – 5000 psi	0 - 400 bar	22
0 – 1000 psi	0 - 600 bar	23
0 – 15000 psi	0 - 1000 bar	24

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