

Bourdon tube pressure gauge Standard version Model 115A

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 copper alloy parts
- Hydraulics
- Compressors, shipbuilding

Special features

- Vibration and shock resistant
- Design per EN 837-1
- Nominal size 40, 50, 63, 80 and 100
- Scale ranges up to -1... 0 ... 1000 bar

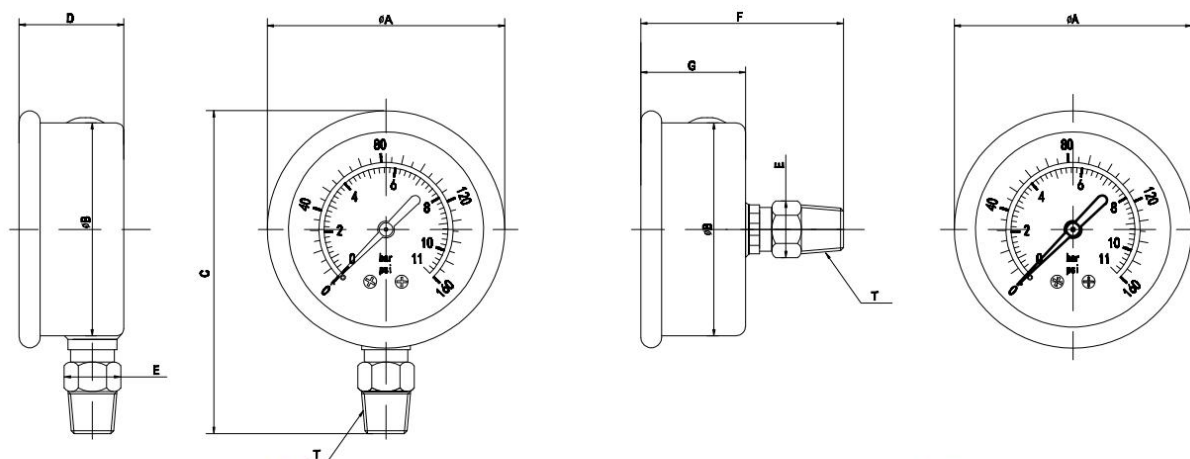
Description

- Nominal size in mm: 40, 50, 63, 80 and 100
- Accuracy class:
 - NS 40: 2.5
 - NS 50,63,80: 1.6
 - NS 100: 1.0
- Scale ranges: 0 ... 0.6 to 0 ... 1000 bar or all equivalent vacuum or combined pressure and vacuum ranges
- Pressure limitation
 - NS 40,50, 63:
 - Steady: $\frac{3}{4}$ x full scale value
 - Fluctuating: $\frac{2}{3}$ x full scale value
 - Short time: Full scale value
 - NS 100: Steady: Full scale value
 - Fluctuating: 0.9 x full scale value
 - Short time: 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: Copper alloy
lower mount (LM) or back mount (BM)
- Pressure element(bourdon tube): Copper alloy C-type or helical type
- Movement: Copper alloy
- Dial: Aluminum, dial scale can be customized
- Pointer: Aluminum, black or white
- Window: Poly-carbonate
- Case: polished or matte stainless steel
- O-ring seal between case and connection.
- Bezel ring: Crimp ring or bayonet bezel
- Filling liquid: Glycerine or silicone



115AL

115AB

size mm	A	B	C	D	E	F	G	T
40	47.0	41.0	66.0	26.0	Hex11.0	50.0	27.0	1/8"
50	57.5	51.5	81.0	30.0	Hex14.0	58.5	30.0	1/8"
63	68.0	61.5	91.5	30.0	Hex14.0	58.5	30.0	1/4"
75	82.0	74.5	111.5	32.0	Hex17.0	64.5	30.0	3/8"
100	108.5	99.0	137.0	36.0	Hex22.0	69.0	36.0	1/2"

Ordering information

	Code	Example
Basic Model	115A	115A
115A means liquid fillable pressure gauge with stainless steel case and rolling ring, brass internal and connection		
Case Size		
40mm(1.5")	40	
50mm(2")	50	
63mm(2.5")	63	63
80mm(3")	80	
100mm(4")	100	
Filling detail		
Fillable case but not filled	without code letter	
Glycerine filled	GF	GF
Silicone filled	SF	
Mounting Type		
Bottom mounting	LM	
Bottom mounting with back flange	LF	
Back mounting	BM	BM
Back mounting with front flange	BF	
Back mounting with U-clamp	BU	
Process connection		
1/8"BSP	1B	
1/8"NPT	1N	
1/8"BSPT	1T	
1/4"BSP	2B	2B
1/4"NPT	2N	
1/4"BSPT	2T	
3/8"BSP	3B	
3/8"NPT	3N	
3/8"BSPT	3T	
1/2"BSP	4B	
1/2"NPT	4N	
1/2"BSPT	4T	
7/16-20UNF	5U	
M12*1.5	6M	
M20*1.5	7M	
Pressure range		
-30"Hg-0psi	-1-0bar	-30"-0psi

-30"Hg-9psi	-1-0.6bar	-30"-9psi	
-30"Hg-30psi	-1-1.5bar	-30"-30psi	
-30"Hg-60psi	-1-3bar	-30"-60psi	
-30"Hg-100psi	-1-5bar	-30"-100psi	
-30"Hg-160psi	-1-9bar	-30"-160psi	
-30"Hg-200psi	-1-15bar	-30"-200psi	
-30"Hg-350psi	-1-24bar	-30"-350psi	
0-15psi	0-1bar	0-15psi	
0-23psi	0-1.6bar	0-23psi	
0-30psi	0-2.5bar	0-30psi	
0-60psi	0-4bar	0-60psi	0-60PSI
0-100psi	0-6bar	0-100psi	
0-160psi	0-10bar	0-160psi	
0-200psi	0-16bar	0-200psi	
0-300psi	0-25bar	0-300psi	
0-600psi	0-40bar	0-600psi	
0-800psi	0-60bar	0-800psi	
0-1500psi	0-100bar	0-1500psi	
0-2000psi	0-160bar	0-2000psi	
0-3000psi	0-250bar	0-3000psi	
0-5000psi	0-400bar	0-5000psi	
0-10000psi	0-600bar	0-10000psi	
0-15000psi	0-1000bar	0-15000psi	

Options			
Custom designed dial		D	D
Neutral dial		without code letter	
Special connection		SC	
Bayonet bezel		B	

Example: 115A63GFBM2B0-60PSID

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