



40mm, 50mm, 63mm and 100mm standard range

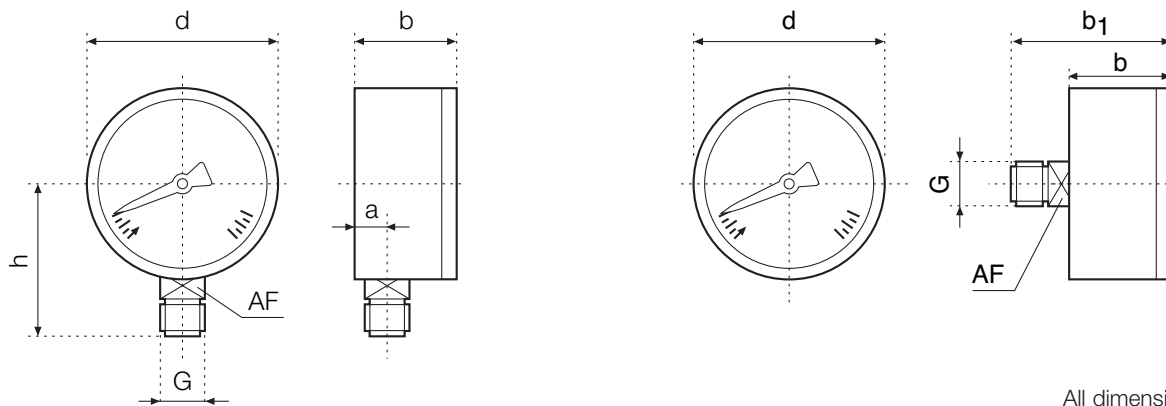
- ABS case
- Copper alloy measuring system
- Pressure ranges from -1...15 bar 0...400 bar

Technical specification

Nominal size (mm)	40, 50, 63 and 100
Accuracy class	2.5 to EN 837-1 (100m, 1.6)
Operating range	Constant Load: 3/4x full scale Alternating load: 2/3x full scale
Case	Plastic, black (ABS) (1446 - steel black)
Window	Plexiglass, convex, clipped on
Dial	Plastic, white with stop pin, scale black to Din 16109
Pointer	Plastic, black
Movement	Cu Zn alloy (Brass)
Measuring element	Cu alloy
Pressure connection	Cu Zn alloy

Connection threads	See dimension table	
Temperature ranges		
Media	+60°C	
Ambient	-40°C to +60°C	
Weight approx (Kg)	1410 - 0.7	1415 - 0.065
	1420 - 0.1	1425 - 0.071
	1430 - 0.13	1435 - 0.078
	1444 - 0.21	1446 - 0.26
Options (moq applies)	Dual scale bar/psi Connection threads Panel mounting Metal case Glass window, only with metal case and ring	









Dimensions



All dimensions in mm

Model	NG	a ± 0.5	b ± 0.5	b1 ± 0.5	d ± 0.5	G	h ± 1	AF
1410	40	9.6	26.2	-	39	G1/8 B (1/8" BSP)	36	14
1415	40	-	26.2	41.8	39	G1/8 B (1/8" BSP)	-	14
1420	50	9.6	27.3	-	49	G1/4 B (1/4" BSP)	45	14
1425	50	-	26.3	44.8	49	G1/4 B (1/4" BSP)	-	14
1430	63	9.6	27.4	-	62	G1/4 B (1/4" BSP)	53.5	14
1435	63	-	26.4	45	61.4	G1/4 B (1/4" BSP)	-	14
1444	100	11.5	30	-	99	G1/2 B (1/2" BSP)	83.5	22
1446	100	-	31	49	99	G1/2 B (1/2" BSP)	-	14

Ordering information

Model	1410	1415	1420	1425	1430	1435	1444	1446
								
Range (bar)	Part number							
-1...0	1410016001	1415016001	1420016001	1425016001	1430016001	1435016001	1444016001	1446016001
-1...0.6	1410042901	1415042901	1420042901	1425042901	1430042001	1435042901	1444042001	1446042901
-1...1.5	1410043001	1415043001	1420043001	1425043001	1430043001	1435043001	1444043001	1446043901
-1...3	1410044001	1415044001	1420044001	1425044001	1430044001	1435044001	1444044001	1446044901
-1...5	1410045001	1415045001	1420045001	1425045001	1430045001	1435045001	1444045001	1446045901
-1...9	1410046901	1415046901	1420046901	1425046901	1430046001	1435046001	1444046001	1446046901
-1...15	1410049901	1415049901	1420049901	1425049901	1430049001	1435049901	1444049001	1446049901
0...1	1410069001	1415069001	1420069001	1425069001	1430069001	1435069001	1444069001	1446069001
0...1.6	1410070001	1415070001	1420070001	1425070001	1430070001	1435070001	1444070001	1446070901
0...2.5	1410072001	1415072001	1420072001	1425072001	1430072001	1435072001	1444072001	1446072001
0...4	1410073001	1415073001	1420073001	1425073001	1430073001	1435073001	1444073001	1446073001
0...6	1410074001	1415074001	1420074001	1425074001	1430074001	1435074001	1444074001	1446074001
0...10	1410075001	1415075001	1420075001	1425075001	1430075001	1435075001	1444075001	1446075001
0...16	1410076001	1415076001	1420076001	1425076001	1430076001	1435076001	1444076001	1446076001
0...25	1410078001	1415078001	1420078001	1425078001	1430078001	1435078001	1444078001	1446078001
0...40	1410079001	1415079001	1420079001	1425079001	1430079001	1435079001	1444079001	1446079901
0...60	1410080901	1415080001	1420080001	1425080001	1430080001	1435080001	1444080001	1446080901
0...100	1410081901	1415081901	1420081001	1425081001	1430081001	1435081001	1444081001	1446081901
0...160	1410082901	1415082901	1420082001	1425082001	1430082001	1435082001	1444082001	1446082901
0...250	1410084901	1415084901	1420084001	1425084001	1430084001	1435084001	1444084001	1446084901
0...315	1410085901	1415085901	1420085001	1425085001				
0...400	1410086901	1415086901	1420086001	1425086001	1430086001	1435086001	1444086001	1446086901

Standard pressure gauges

Nominal size ND 80 and ND 100

Connection position bottom, radial
or back, central

Option:
for sanitary and heating



Description

Pressure gauges of the comprehensive standard can be used in all applications where liquid and gaseous media are not highly viscous or do not attack copper alloys or crystallize.

All standard pressure gauges comply with general international recommendations for measuring systems and take requirements for specific applications and technical standards into consideration (EN 837-1).

The rear central connection enables simple conversion to the panel mounted version.

Special features

- o Plastic-case ABS
- o Copper alloy measuring system
- o Accuracy class 1.6

Measuring Ranges






0 ... 0.6 bar to 0 ... 400 bar

Applications

Pneumatic control systems
Air-conditioning
Sprinkler systems

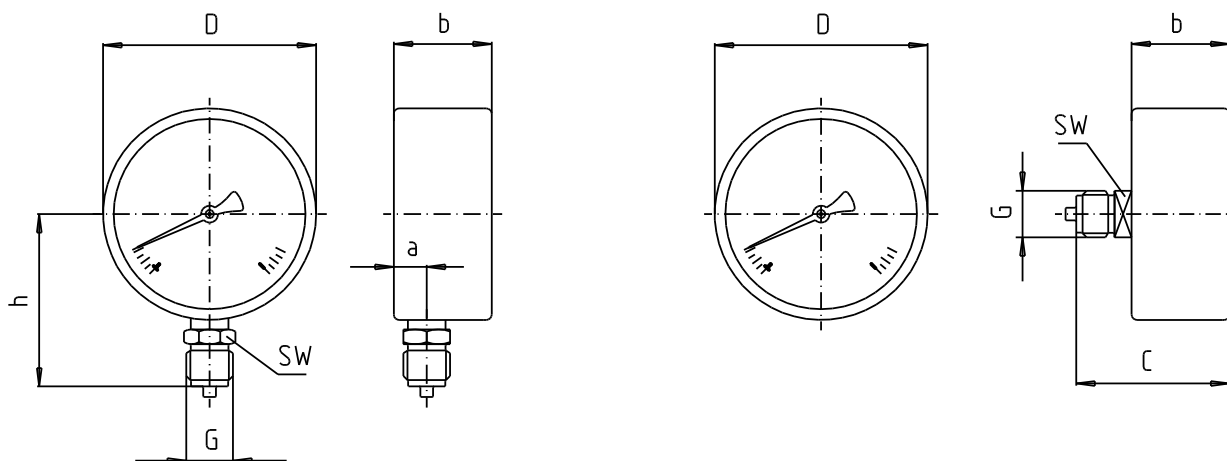
**Models: P1440, P1442, P1444,
P1446, P1495**

Technical data

Models	P1440	P1442	P1444	P1446	P1495	Options	
Nominal size	80		100		160		
Symbol							
Accuracy class	1.6 to EN 837-1						
Ranges	0...0.6 bar to 0...400 bar negative or positive, or negative and positive gauge pressure				0...1 bar up to 0...40 bar divided in mWS for hydrometers		
Application	Constant load: 3/4 x of full scale value Alternating load: 2/3 x of full scale value short-time: full scale value						
Case	Plastic, black (ABS)			Steel, black	steel, black		
Bezel	none				steel, chrome plated		
Window	Plexiglass, clipped-on				glas lens		
Dial	Aluminium white, scale black		Aluminium white, scale black and red marker pointer			glass lens ¹⁾	
Pointer	Aluminium, black						
Movement	CuZn alloy						
Measuring element	Cu alloy						
Pressure connection - position	CuZn alloy radial bottom		back central	radial bottom	back central	radial bottom	
- thread	G 1/2 B		G 1/4 B	G 1/2 B	G 1/4 B	G 1/2 B	
							NPT threads
Temperatures - Media - Ambient	Tmax. 60°C Tmin. -40°C, Tmax. 60°C						
Temperature behaviour	0.4 % /10K if deviation from normal temperature 20°C						
Orifice	without						ø 0.4 ; ø 0.8
Weight approx.	0.18 kg	0.11 kg	0.21 kg	0.26 kg	0.85 kg		

¹⁾ Only in combination with metal case and ring

Dimensions



Models: P1440, P1444, P1495

Models: P1442, P1446

Models	Dimensions in mm							
	ND	a ± 0,5	b ± 0,5	c ± 0,5	D ± 0,5	h ± 1	G	SW
P1440	80	11,5	30	--	79	72	G 1/2 B	22
P1442	80	--	32	49	79	--	G 1/4 B	14
P1444	100	11,5	30	--	99	83,5	G 1/2 B	22
P1446	100	--	31	49	99	--	G 1/4 B	14
P1495	160	15,5	41,5	--	160	115,5	G 1/2 B	22

Modifications reserved