

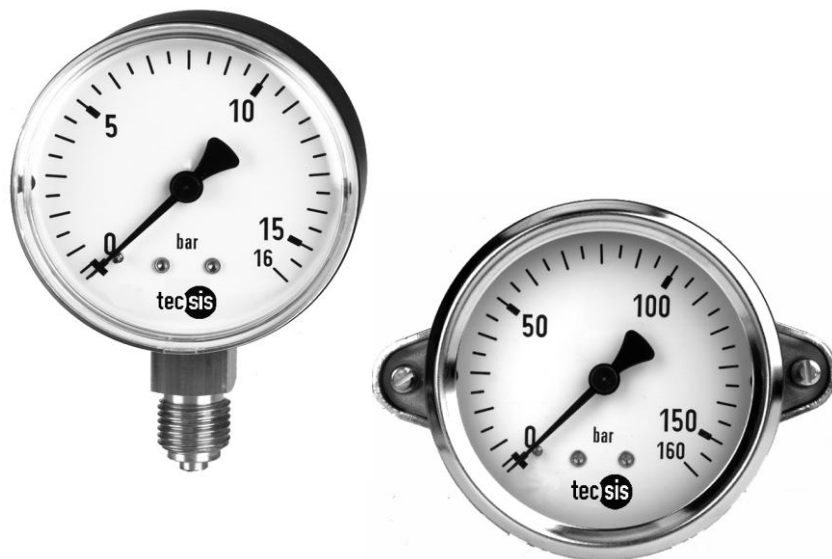
Standard pressure gauges to EN 837-1

Nominal sizes NG 40, 50, 63

Connection position bottom, radial
or back, central

Option:

with triangular bezel or
front mounting flange



Description

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

Features

- o Plastic case – ABS standard
- o Option: steel case
- o Copper alloy measuring system standard
- o Connection radial or back, central
- o Option: Panel mounting

Measuring ranges

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

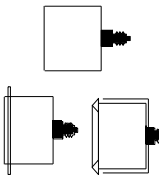
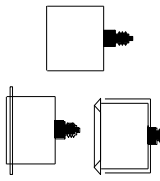
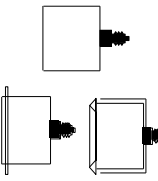
Applications

Building services, apparatus constructions

Air-conditioning, Pneumatics, hydraulics,
workshop equipment

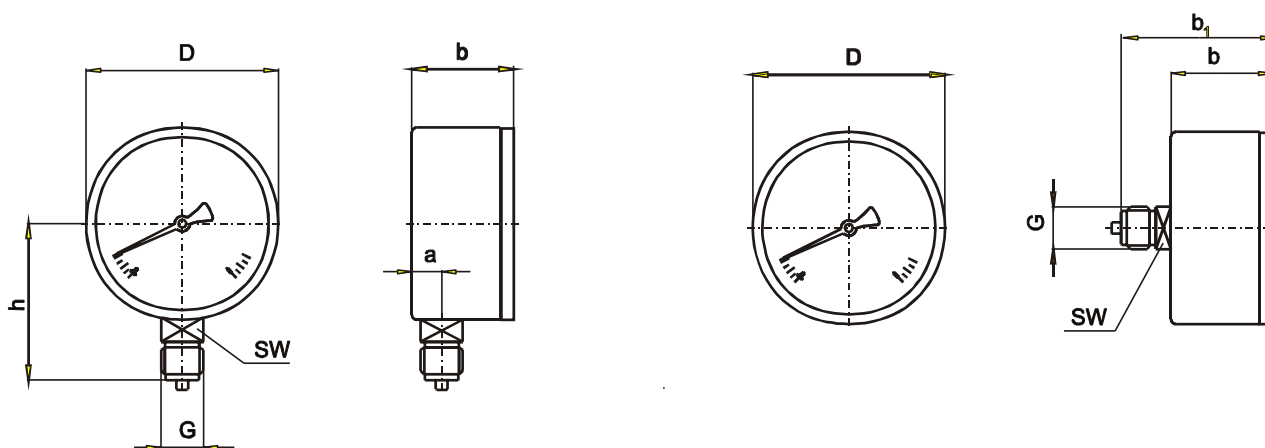
**Model: P1410, P1415, P1420,
P1425, P1430, P1435**

Technical data

Models	P1410	P1415	P1420	P1425	P1430	P1435	Options
Nominal size	40		50		63		
Symbol							
Accuracy class	2.5 to EN 837-1						1.6
Ranges	0...0.6 bar to 0...400 bar negative or positive, or negative and positive gauge pressure						
Application	Constant load: 3/4 x full scale value Alternating load: 2/3 x full scale value Short-time: full scale value						
Case	Plastic, highly shock resistant, black (ABS)						Steel, black finish, stainless steel, bright back flange
Bezel	none						Slip ring, steel or stainless steel Steel chrome plated, triangular bezel or front mounting flange Steel, black finish
Window	Plexiglas, convex, clipped-on						Glass lens ¹⁾
Dial	Plastic, white with stop pin, scale black						Aluminium, white
Pointer	Plastic, black						
Movement	CuZn alloy						
Measuring element	Cu alloy						
Pressure connection	CuZn-alloy						Surface: nickel plated
- position	radial bottom	central back	radial bottom	central back	radial bottom	central back	
- thread	G 1/8 B without pivot or G 1/4 B				G 1/4 B or R 1/4 DIN 2 999		Other connection on request
Temperatures - medium - ambient	Tmax. 60°C Tmin. -20°C to Tmax. 60°C						Tmin. -40°C, Tmax. 60°C
Temperature drift	0.4% /10 K if deviation from normal temperature 20°C						
Throttle	without						dia. 0.4 , dia. 0.6
Weight approx.	0.08 kg	0,07kg / 0,11kg	0.1 kg	0,08kg / 0,12kg	0.13kg	0,08kg / 0,14kg	

¹⁾ Only in combination with metal case and ring

Dimensions



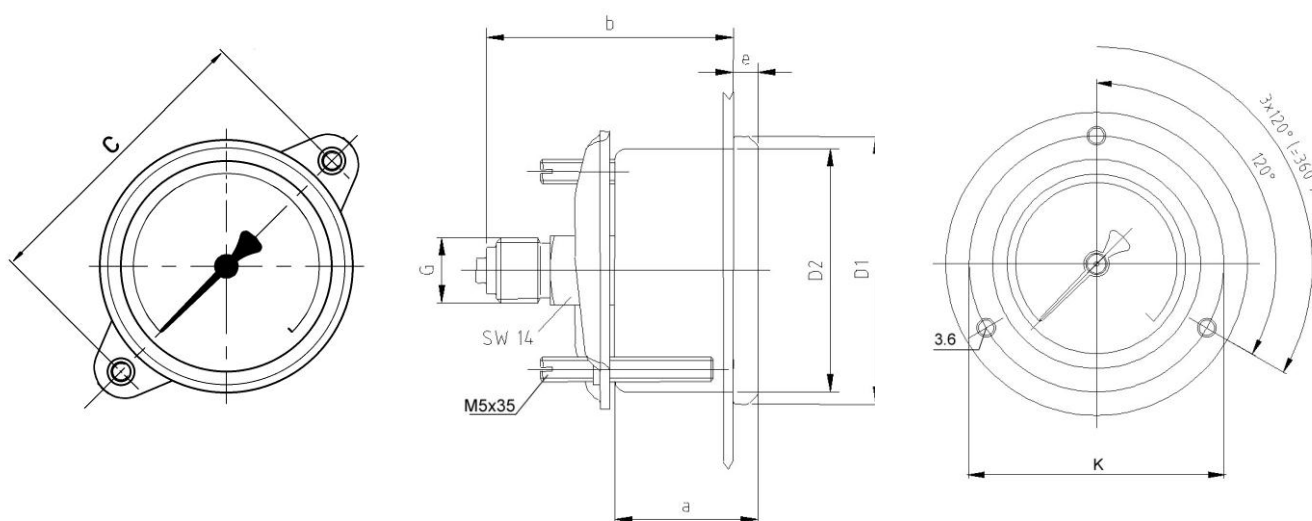
Model: P1410, P1420, P1430

Model: P1415, P1425, P1435

Model	Dimensions in mm							
	NG	$a \pm 0.5$	$b \pm 0.5$	$b1 \pm 0.5$	$D \pm 0.5$	G	$h \pm 1$	SW
P1410	40	9.6	26.2	--	39	G1/8 B	36	14
P1410	40	9.6	26.2	--	39	G1/4 B	40	14
P1415	40	--	26.2	41.8	39	G1/8 B	--	14
P1415	40	--	26.2	44.8	39	G1/4 B	--	14
P1420	50	9.6	27.3	--	49	G1/4 B	45	14
P1425	50	--	26.3	44.8	49	G1/4 B	--	14
P1430	63	9.6	27.4	--	62	G1/4 B	53.5	14
P1435	63	--	26.4	45	61.4	G1/4 B	--	14

Option: ① Steel-case with fixing bracket

② Steel-case with front mounting flange



Model: P1415, P1425, P1435

Model	Dimensions in mm											
	Option	ND	$a \pm 0.5$	$b \pm 0.5$	$C \pm 1$	$D1 \pm 0.5$	$D2 \pm 0.5$	$e \pm 0.5$	G	K	panel cut-out	
P1415	1	40	28.5	46.7	50	43	39	4.5	G1/4 B	-	41.5 + 0.5	
	2	40	28.5	41.8	-	-	40	4.5	G1/4 B	51	44 ± 0.3	
P1425	1	50	29.3	50.3	61	55.5	49	4.9	G1/4 B	-	51 ± 0.5	
	2	50	29	46.5	-	-	50	5	G1/4 B	60	54 ± 0.3	
P1435	1	63	31.8	52.6	91	69	61.9	5	G1/4 B	-	64.5 + 0.5	
	2	63	31.5	47.6	-	-	63	5	G1/4 B	75	67 ± 0.3	

Modifications reserved