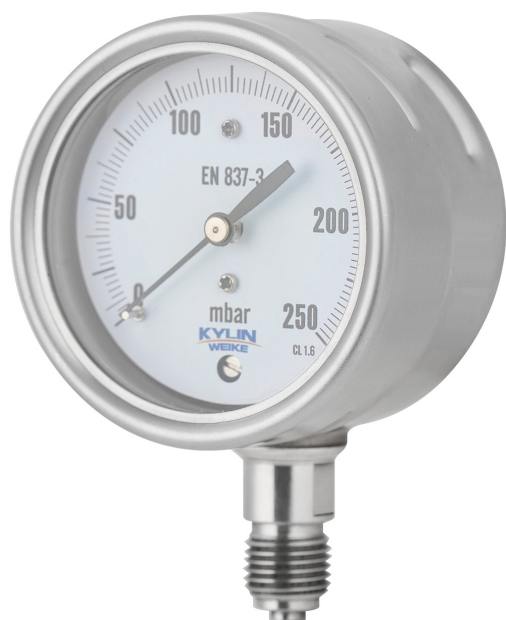


Capsule pressure gauges, Stainless steel case Model: P160S



Pressure

CE EN837-3

Applications

- Targeting medical, vacuum negative pressure, environmental, laboratory, and filter monitoring
- Applicable to dry corrosive gas media and corrosive environments
- Process control industries, chemical engineering, petrochemical engineering, biopharmaceuticals, power generation, and machinery manufacturing

Features

- Front zero adjustment
- All-stainless steel structure
- IP65
- Specially designed for air or gas working conditions

Specifications

Design

Meet EN837-3 standard

Dial size(mm)

63mm, 100mm, 160mm

Accuracy class

EN837-3
1.6

Scale Range

0...6kPa to 60kPa
Or all other equivalent vacuum or compound pressure and vacuum ranges

Permissible temperature

Ambient: -20 ... +60°C
Medium: ≤100°C

Temperature effect

When deviating from the reference conditions of the measurement system:
≤ ±0.04% of full scale per °C (reference temperature: 20 °C)
≤ ±0.4% of full scale per °F (reference temperature: 68 °F)

Pressure limitation

Steady: full scale range
Fluctuation: 9/10 x full scale range



Model: P160S

Specifications

Process connection

316L stainless steel
Radial installation or axial installation

Pointer

Aluminum alloy, black

Pressure element

Stainless steel

Case

Stainless steel case

Movement

Stainless steel

Window

Polycarbonate, transparent

Dial

Aluminum alloy, white

Case filling liquid

■ Dry
■ Glycerin -water mixture is used for a measurement range of ≥ 6 kPa

Approvals

CE EN837-3

Zero adjustment

Front

Ring

Bayonet ring, stainless steel

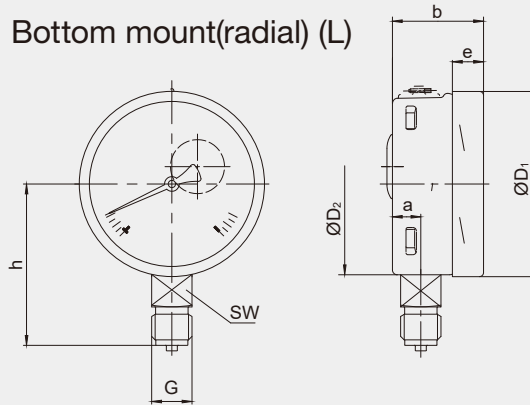


Model: P160S

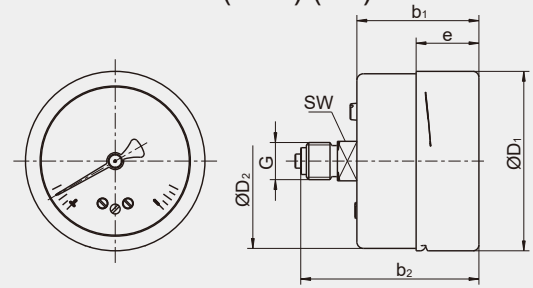
Dimensions in mm

Standard type

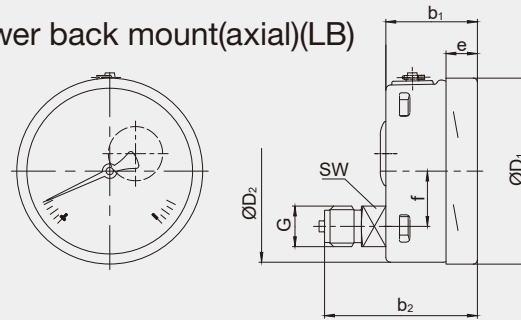
Bottom mount(radial) (L)



Center back mount(axial) (CB)



Lower back mount(axial)(LB)



Dial size	Dimensions in mm											Weight(kg)
	a	b	b1	b2	D1	D2	e	f	G	h±1	SW	
63	9.5	42	42	63	64	62	22	- ¹⁾	G ¼ B	52	14	0.19
100	15.5	49.5	49.5	83	101	99	17.5	30	G ½ B	87	22	0.60
160	15.5	49.5	49.5	83	161	159	17.5	50	G ½ B	118	22	1.10

The pressure connection complies with the EN 837-3 / 7.3 standard

1) 63 dial circle: Process connection with axial center installation

Model: P160S

ORDERING CODE							
Model	P160S						
Dial size(mm)							
(63)-63mm							
(100)-100mm							
(160)-160mm							
Process connection location							
(L)-Bottom mount(radial)							
(LB)-Lower back mount(axial)							
(CB)-Center back mount(axial)(Applicable only to NS 63 [2½"])							
Case filling							
(D)-Dry							
(L)-Glycerin -water mixture is used for a measurement range of ≥ 6 kPa							
Process connection sizes							
(06)-¼ NPT,male thread							
(07)-⅜ NPT,male thread							
(08)-½ NPT,male thread							
(03)-G ¼B,male thread							
(02)-G ⅜ B,male thread							
(04)-G ½B,male thread							
(21)-M20 x 1.5,male thread							
Option							
(FF) -Front flange (axial)							
(BF) -Rear flange (radial)							
(SG) -Safety glass							
(A1) -Accuracy class: 1.0 grade							
(N/A) -" "							
Scale Range(coding examples only, see range table on page 5 for all standard ranges)							
0.3BR=0...0.3bar	N=Vaccum range						
0.3KG=0...0.3kg/cm²	N1/3BR="-1...3bar"						
6KP=0...6kPa							
0.6MP=0...0.6MPa							
30#=0...30psi							



Model: P160S

Pressure range selection table

Scale ranges						
Bar	Kg/cm ²	Psi	kPa	MPa	inH ₂ O	mbar
N0.3/0.3BR	N0.3/0.3KG	N4/4#	N30/30KP	N0.03/0.03MP	N125/125IH	N300/300MB
N0.2/0.2BR	N0.2/0.2KG	N3/3#	N20/20KP	N0.02/0.02MP	N75/75IH	N200/200MB
N0.125/0.125BR	N0.125/0.125KG	N2/2#	N12.5/12.5KP	N0.012/0.012MP	N50/50IH	N125/125MB
N0.08/0.08BR	N0.08/0.08KG	N1.25/1.25#	N8/8KP	N0.06/0MP	N30/30IH	N80/80MB
N0.05/0.05BR	N0.05/0.05KG	N8/0#	N5/5KP	N0.04/0MP	N20/20IH	N50/50MB
N0.6/0BR	N0.6/0KG	N6/0#	N3/3KP	N0.025/0MP	N12.5/12.5IH	N30/30MB
N0.4/0BR	N0.4/0KG	N2.5/0#	N2/2KP	N0.016/0MP	N8/8IH	N20/20MB
N0.25/0BR	N0.25/0KG	N1.5/0#	N1.25/1.25KP	N0.01/0MP	N5/5IH	N12.5/12.5MB
N0.16/0BR	N0.16/0KG	N1/0#	N0.8/0.8KP	0.01MP	N250/0IH	N8/8MB
N0.1/0BR	N0.1/0KG	1#	N60/0KP	0.016MP	N150/0IH	N600/0MB
N0.06/0BR	N0.06/0KG	1.5#	N40/0KP	0.025MP	N100/0IH	N400/0MB
0.06BR	0.06KG	2.5#	N25/0KP	0.04MP	N60/0IH	N250/0MB
0.1BR	0.1KG	4#	N16/0KP	0.06MP	N40/0IH	N160/0MB
0.16BR	0.16KG	6#	N10/0KP		N25/0IH	N100/0MB
0.25BR	0.25KG	8#	N6/0KP		N15/0IH	N60/0MB
0.4BR	0.4KG		N4/0KP		N10/0IH	N40/0MB
0.6BR	0.6KG		N2.5/0KP		N6/0IH	N25/0MB
			N1.6/0KP		6IH	N16/0MB
			1.6KP		10IH	16MB
			2.5KP		15IH	25MB
			4KP		25IH	40MB
			6KP		40IH	60MB
			10KP		60IH	100MB
			16KP		100IH	160MB
			25KP		150IH	250MB
			40KP		250IH	400MB
			60KP			600MB

Other ranges and engineering units available upon request

