



LP1 Series

All Stainless Steel Capsule Gauge

Features

- Accuracy Class 1.6 & 2.5 (Ø63)
- Internal Calibration Device (ICD)
- All stainless steel material, Blow-out-back
- Knock-down system back and front flange
- DIN case, bayonet lock design
- Over pressure up to 30% of Full Scale
- Restrictor screw standard
- Standard dial dual unit ranges
- Scale ranges -600..0, 0..10 to 600 Mbar

Application

LP1 Series is a premium capsule gauge designed for use in low pressure measurement on extreme corrosive and severe environment. It is non fillable design and by removing the bezel ring could access to zero adjustment zeroing screw on the front dial in replace of adjustable pointer. Most popular in use in all industries such as process, mining, machine tools, power plant, steel mills, pulp & paper, water & sewage and petrochemical plants.

Technical Specification

- Nominal Size
63, 100 and 160 mm
- Accuracy Class
Class 1.6, Class 2.5 (Ø63)
- Ingress Protection
IP 54 (100..160mm), IP 44 (63mm)
- Connection Size
G^{3/8}, G^{1/4}, G^{1/2} or NPT
- Scale Range
Pressure 0..10 to 0..600 mbar
*Ø63mm min. range 16 mbar
Vacuum -600 mbar.. 0
Compound-200..+400 mbar
- Tube Element Shape
Capsule type diaphragm tube
- Filling
Dry type
- Operating Temperature
Ambient temperature -10°.. +70°C
Medium temperature 90°C Max.
- Temperature Error
Additional error when pressure element temperature deviates from reference temperature +20°C (+68°F) be ±0.4% / 10 C (50°F) rising or falling
- Over Pressure Limit
130% of Full Scale
- Dial Graduation
Black graduation on white for single range
Black and red graduation on white for dual ranges

Design Material

- Casing and Bezel Ring
SS 304, Blow-Out-Back (100.. 160mm)
- Sensing Element
Capsule type, Stainless steel 316Ti
- Connection
Stainless steel 316
- Window
Plain instrument glass
- Window gasket
Industrial rubber seal
- Pointer
Black painted aluminum
- Dial Plate
Aluminum alloy

Ordering Code



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LP1 Dial ^① <Pressure range> ^② Mounting ^③ - Connection ^④ - Filling ^⑤ *Option ^⑥

①	Dial Size
251	2 1/2" or 63 mm
301	3" or 75 mm
501	4" or 100 mm
751	6" or 160 mm

③	Mounting
D	Bottom / Direct connection
B	Center back connection
W	Bottom conn., back flange / Wall
S	Back conn., back flange / Surface
P	Back conn., front flange / Panel

④	Connection size
G4	G 1/4"
N4	1/4"NPT
G3	G 3/8"
N3	3/8"NPT
G2	G 1/2" (Ø100..160mm)
N2	1/2"NPT (Ø100..160mm)

⑤	Filling
D	Dry (Not fillable)

⑥	Option
CD	Custom dial layout
SU	Special unit range
O2	Oxygen service cleaning
SG	Laminated safety glass
OC	Other connection thread

② Ø Dial 100..160mm		Ø Dial 50..75 mm	
MBar	mmH2O	MBar	mmH2O
-6..+10	-60..+100	-6..+10	-60..+100
-10..+15	-100..+150	-10..+15	-100..+150
-15..+25	-150..+250	-15..+25	-150..+250
-20..+40	-200..+400	-20..+40	-200..+400
-40..+60	-400..+600	-40..+60	-400..+600
-60..+100	-600..+1000	-60..+100	-600..+1000
-100..+150	-1000..+1500	-100..+150	-1000..+1500
-150..+250	-1500..+2500	-150..+250	-1500..+2500
-200..+400	-2000..+4000	-200..+400	-2000..+4000
-600..0	-6000..0	-600..0	-6000..0
-400..0	-4000..0	-400..0	-4000..0
-250..0	-2500..0	-250..0	-2500..0
-160..0	-1600..0	-160..0	-1600..0
-100..0	-1000..0	-100..0	-1000..0
-60..0	-600..0	-60..0	-600..0
-40..0	-400..0	-40..0	-400..0
-25..0	-250..0	-25..0	-250..0
-16..0	-160..0	-16..0	-160..0
-10..0	-100..0	-10..0	-100..0
0..10	0..100	0..10	0..100
0..16	0..160	0..16	0..160
0..25	0..250	0..25	0..250
0..40	0..400	0..40	0..400
0..60	0..600	0..60	0..600
0..100	0..1000	0..100	0..1000
0..160	0..1600	0..160	0..1600
0..250	0..2500	0..250	0..2500
0..400	0..4000	0..400	0..4000
0..600	0..6000	0..600	0..6000

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