



LP Series

Stainless Steel Case Capsule Gauge

Features

- Accuracy Class 1.6
- Internal Calibration Device (ICD)
- Stainless steel case, Blow-Out-Back (BOB)
- 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

LP Series is a premium capsule gauge designed for use in low pressure measurement on non-corrosive and clean gasses. Application for dry and gaseous that not effect the cupreous metal sensing element. Blow out back case for dial 100 and 160 mm. With expanded overpressure resistance, application allowed transinet overpressure up to +30% of Full Scale.

Technical Specification



- Nominal Size
63, 75, 100 and 160 mm
- Accuracy Class
Class 1.6, Class 2.5 (Ø63, 75 mm)
- Ingress Protection
IP 44
- Connection Size
G³/₈, G¹/₄, G¹/₂ or NPT
- Scale Range
Pressure 0..10 to 0..600 mbar
*Ø63, 75mm 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
Stainless steel 304
- Sensing Element
Capsule type, Copper alloy
- Connection
Brass
- Window
Plain instrument glass
- Window gasket
Industrial rubber seal
- Pointer
Black painted aluminum
- Dial Plate
Aluminum alloy

Ordering Code



BRO THOTERM
GERMANY TECHNOLOGY

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

①	Dial Size
250	2 1/2" or 63 mm
300	3" or 75 mm
500	4" or 100 mm
750	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		
	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

This is the property of BRO THOTERM and may not be used, reused, modified or reproduced without prior permission. Specification and material are subjected to changes or modification without prior notice.