

LP550 Series Safety Pattern Capsule Gauge



Features

- Accuracy Class 1.6
- Safety pattern with full Blow-Out-Back
- 130 mm (4 1/2") case standard
- Polypropylene solid front case design
- Micrometer adjustable pointer
- 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

LP550 Series is a premium 4.5" capsule gauge designed for use in severe environment with Safety pattern design (Solid front/ Baffle front) and stainless steel wetted parts, non fillable with low range capsule sensing element, however complete with Restrictor screw/throttle screw as standard to act as dampening absorber. Widely use in various industries, such as Oil&Gas, petrochemical, mining, pulp&paper, etc.

Technical Specification

- Nominal Size
130 mm or 4 1/2"
- Accuracy Class
Class 1.6
- Ingress Protection
IP 65
- Connection Size
G 1/4, G 1/2 or NPT
- Scale Range
Pressure 0..10 to 0..600 mbar
Vacuum -600 mbar.. 0
Compound -200..+400 mbar
- Tube Element Shape
Double welded capsule diaphragm
- Filling
Dry, execution
- 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
Polypropylene, baffle wall, BOB
- Sensing Element
Capsule type, Stainless steel 316
- Connection
Stainless steel 316
- Window
Safety laminated glass
- Window gasket
Industrial rubber seal
- Pointer
Micrometer adjustable, aluminum
- Dial Plate
Aluminum alloy



Ordering Code



LP550 <Pressure range>^① Mounting^② - Connection^③ - Filling^④ *Option^⑤

Model	Dial Size
SL550	130 mm
② Mounting	
W	Bottom conn., back flange / Wall
S	Back conn., back flange / Surface
③ Connection size	
G2	G 1/2"
N2	1/2"NPT
④ Filling	
D	Dry (Not fillable)
⑤ Option	
CD	Custom dial layout
SU	Special unit range
O2	Oxygen service cleaning
OC	Other connection thread

①	MBar	mmH2O
	-6..+10	-60..+100
	-10..+15	-100..+150
	-15..+25	-150..+250
	-20..+40	-200..+400
	-40..+60	-400..+600
	-60..+100	-600..+1000
	-100..+150	-1000..+1500
	-150..+250	-1500..+2500
	-200..+400	-2000..+4000
	-600..0	-6000..0
	-400..0	-4000..0
	-250..0	-2500..0
	-160..0	-1600..0
	-100..0	-1000..0
	-60..0	-600..0
	-40..0	-400..0
	-25..0	-250..0
	-16..0	-160..0
	-10..0	-100..0
	0..10	0..100
	0..16	0..160
	0..25	0..250
	0..40	0..400
	0..60	0..600
	0..100	0..1000
	0..160	0..1600
	0..250	0..2500
	0..400	0..4000
	0..600	0..6000

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