



IS

Pressure Gauge
with all SS316L wetted parts

Special Features

- Dry or liquid filled
- Cost effective
- Standard followed in general eEN 837-1

Application

- Wastewater Treatment and Reverse Osmosis
- Oil and Gas
- Petrochemicals
- Food, Beverage and Pharma

Specifications

Standard Version : 63 mm

Accuracy	: ± 1% of FS
Ambient temperature	: - 20°C to + 65°C
Process temperature	: Max. 120°C
Operating Pressure Range	: 75% of Scale Value
Over pressure limit	: 1.2 times of FS

Case & Bezel	: AISI 304 SS (Bayonet Type)
Bourdon	: Option, SS316 SS316L
Socket	: SS316L
Movement	: SS304

Protection	: IP 65
Dial	: Aluminum, black graduation on white background
Pointer	: Aluminum, black coloured Fixed
Window	: Plexi Glass
Filling Plug	: Neoprene
Gasket	: Neoprene

Glycerine filled version (option PY)

Accuracy	: ± 1% of FS
Ambient Temperature	: Maximum 65°C
Process Temperature	: Maximum 65°C
Window	: Plexi Glass
Dampening Liquids	: Glycerine 99.7% (others available as option)
Other Features	: Refer Specification of Standard Version

Temperature effect:

The variation of indication caused by effects of temperature is to be calculated by below formula; which is to be added in the specified accuracy while measurement :- Formula : $\pm 0.04 \times (t_2 - t_1) \%$ of F. S. where t_1 = reference temperature (+20°C) and t_2 = ambient temperature in °C.



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Range Table

Note : We offer National / International Scales like kPa, MPa, bar, psi, kg/cm² & Dual Scale like kPa with psi, kPa with bar, bar with psi or Equivalent scales as per the requirement can be provided on request. Following are the example tables for kg/cm² & psi scales

Pressure range

Single scale (kg/cm ²)					
0/1	0/4	0/16	0/60	0/250	
0/1.6	0/6	0/25	0/100	0/400	
0/2.5	0/10	0/40	0/160		
Dual scale psi with kg/cm ²					
psi	kg/cm ²	psi	kg/cm ²	psi	kg/cm ²
0/15	1	0/300	20	0/2200	160
0/30	2	0/400	28	0/3000	200
0/60	4	0/500	35	0/4000	280
0/100	7	0/600	42	0/5000	350
0/150	10	0/1000	70	0/6000	400
0/220	16	0/1500	100		

Vacuum & compound range

Dual scale			Dual scale (Inch Hg to psi)	
inHg with psi	inHg with psi	inHg with ps	Range	Range
- 30/0	- 30/60	- 30/200	-30/150	0-300
- 30/15	- 30/100	- 30/300	-30/300	0-500
- 30/30	- 30/150	- 30/350		
Single scale (kg/cm ²)			Accessories (Refer datasheet for complete specifications)	
- 1/0	- 1/1.5	- 1/5	- 1/15	EB Cooling tower * Needle valve
- 1/0.6	- 1/3	- 1/9	- 1/24	EC Gauge cock EG Snubber
* Refer catalogue for valves and manifolds		** For Pressure Ranges.		ED Overload protector (gauge saver)** EH Siphon

HOW TO ORDER

Basic Model				Example
Code				IS
Nominal Size				063
	063 63 mm	100 100 mm	160 160 mm Please arrange it like options below	X
Type of Mounting				X
1 Wall / surface / projection	3 Direct lower back entry	5 Lower back entry with front flange		
4 Mounting with bottom entry	2 Direct bottom entry	9 Lower back entry with mounting bracket		
Gauge Connection				XXX
3BM 3/8" BSP (M) Standard	2NM 1/4 " NPT (M)	4TM 1/2" BSPT (M)		
4BM 1/2" BSP (M) Standard	4NM 1/2" NPT (M) Standard	4MM M 20 x 1.5 (M)		
Note : Connections like Metric/ PT/ PF/ Flaired/ UNF/ G/ R etc can be provided on request.				
Range				0/10
Refer range table				kg/cm ²
Optional Extras				
CW Five point calibration certificate	PY Dampening liquid glycerine filled	SX SS tag plate	SC SS316 case	XX

For other optional items, please contact factory for delivery & minimum quantity of order.

Note : Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing.

Modifications may take place and materials specified may be replaced by others without prior notice.