

Homogenizer Pressure Gauge Diaphragm type



Special Features

- Laser welded diaphragm
- Filled version facilitate usage in vibration Zones to avoid damages to its mechanism.
- Suitable for homogenizer machines.
- Electrical contact options available.
- Standard followed in general EN 837-3.

Application

- These gauges are being used in applications where Hygiene is of prime importance like dairy
- Food
- Ice cream
- Beverages
- Pharmaceutical industries
- Sterilization.

Specifications

Standard Version : 100 mm

Accuracy	: ±1.6% of F.S.
Ambient temperature	: - 25°C to + 65°C
Process temperature	: Max. 120°C
Operating pressure range	: 75% of Scale Value

Case & Bezel	: AISI 304 SS (Bayonet Type)
Bourdon	: AISI 316L SS
Socket	: AISI 316L SS
Movement	: AISI 304 SS
Diaphragm	: AISI 316L SS
Body	: AISI 316 SS
Joints	: Tig Argon Arc Welding

Protection	: IP 68
Dial	: Aluminum, black graduation on white background
Pointer	: Aluminum, black coloured micrometer zero adjustable
Window	: Plexi Glass
Blow off Disc	: Neoprene
Gasket & Filling plug	: Neoprene
Sealing liquid	: Glycerin
Dampening Liquid	: Glycerin 99.7%

Electrical contacts - dry version

Accuracy	: ±2.5% of F.S.
Ambient Temperature	: Maximum 65°C
Process Temperature	: Maximum 65°C
Window	: Polycarbonate Dome
Dampening Liquids	: Dielectric Oil (Optional)
Electric Contacts*	: Refer How to Order
Other Features	: Refer Specification of Standard Version

* Please specify contact set points while ordering.

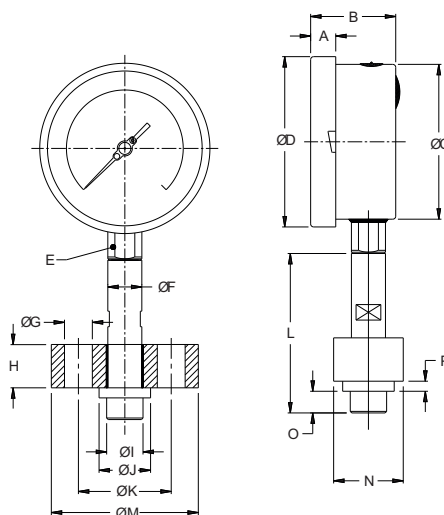
Temperature effect:

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 : $\pm 0.08 \times (t_2 - t_1) \% \text{ of F. S.}$ where t_1 = reference temperature (+20°C) and t_2 = ambient temperature in °C.

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Dimensions - standard version

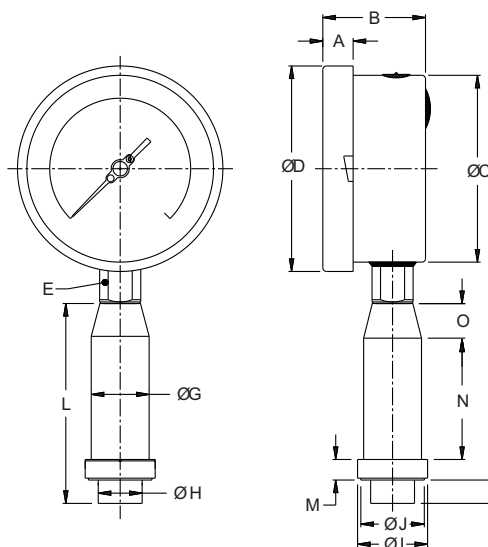
TYPE H01



Flange Connection

NS	A	B	ØC	ØD	E	ØF	ØG	H	ØI	ØJ	ØK	L	ØM	N	O	P	Weight in gram (With Box)
100	12.5	47	100	111	22	22	18	28	23.5	35.5	60	84	95	43	7	7	1600.0

TYPE H02



Without Flange Connection

NS	A	B	ØC	ØD	E	ØG	H	ØI	ØJ	ØK	L	ØM	N	O	Weight in gram (With Box)
100	12.5	47	100	111	22	27	23.5	38	34.5	7	88	11	45	25	1200.0

Please contact us for other Variations, delivery and minimum order quantity.

Note: Specifications and dimensions given in this product catalogue represents the state of engineering at the time of designing.
Prior notification of changes in specifications is impracticable due to continuous improvement.