

Differential pressure gauges 7810 Series



(Glycerin filled and back flange in options)

- All Stainless Steel
- Ø 150 mm
- ΔP : 0...60 mbar to 0...10 bar
- Max static pressure : 4 to 100 bar
- Connection : bottom at 45° or back
- Resistance to significant overpressures

APPLICATIONS

For accurate and reliable measurement of low differential pressures under high static pressures.
These pressure gauges are particularly applicable in environments with aggressive products.
In particular: Measurement of flow, level, filter clogging, pressure drop.

DESCRIPTION

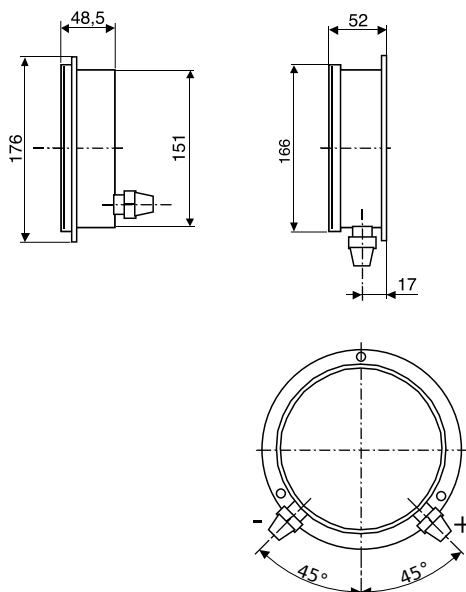
The measuring device of these manometers consists of two stainless steel bellows mounted. The value indicated on the dial is the difference of the pressures or depressions arriving in each bellows. The devices are constructed entirely of stainless steel. The mechanical resistance of the bellows allows significant unilateral overpressures compared to the differential pressure. An elastomer fill and vent is placed on the top of the case.

TECHNICAL DETAILS

Measuring range	ΔP : 0...60 mbar to 0...10 bar
Max static pressure	4 to 100 bar according to F.S.
Accuracy class	2
Pressure element	AISI 316L bellows
Movement	AISI 304
Case	AISI 304
	Ø 150 mm
Bezel	AISI 304
	Bayonet ring
Window	Glass, 4 mm
Dial	White aluminium, black lettering
	Scale range 270°
Male pressure fittings	AISI 316L
	2 x G 1/2", (NPT option)
Mounting	Bottom connection at 45°, or back connection
	Flange : drill Ø 168 mm
Protection	IP 65
Filling liquid	Glycerin in option (or silicone in option)
Operating temperature	-20...+120 °C
Blow out	Elastomer, placed in the upper part of the case
Weight	1,4 kg (dry)

EC Conformity : The instrument meets the legal requirements of the current European Directives

DIMENSIONS [mm]



Pression - Température

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REFERENCES



45° connections
7811 Model



Back connections
7815 Model

Measuring range ΔP		Max static pressure	Bottom at 45° $\varnothing 150 - 2 \times G \frac{1}{2}"$	Back connection $\varnothing 150 - 2 \times G \frac{1}{2}"$
0	60 mbar	4 bar	412 080	412 085
0	100 mbar	4 bar	412 100	412 105
0	200 mbar	4 bar	412 110	412 115
0	400 mbar	16 bar	412 120	412 125
0	600 mbar	16 bar	412 130	412 135
0	1 bar	16 bar	412 140	412 145
0	1,6 bar	40 bar	412 150	412 155
0	2,5 bar	40 bar	412 160	412 165
0	4 bar	40 bar	412 170	412 175
0	6 bar	100 bar	412 180	412 185
0	10 bar	100 bar	412 190	412 195

OPTIONS

	Reference
NPT thread	Add N at the end of the reference
Front flange, drill $\varnothing 168$ mm	412 200
Back flange, drill $\varnothing 168$ mm	412 210
Glycerin filling	412 230
1 min contact, starting at 0,6 bar	412 240
1 max contact, starting at 0,6 bar	412 241
2 contacts mini, maxi, from 0,6 bar	412 250



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