RIB810 DIFFERENTIAL PRESSURE GAUGES PRESSURE CONTROL

RIB810 DIFFERENTIAL MANOMETERS

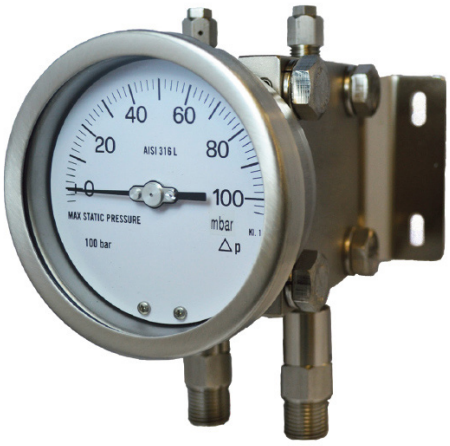
RIB810 differential pressure gauges are instruments designed to measure differential pressures from a minimum of 10 mbar up to a maximum of 600 mbar.

Ranges from 0÷40 bar are available to satisfy wide ranges of use.

Unlike other types of differential pressure gauges, the RIB810 series has as its sensitive element a bellows in AISI 316 that allows precise measurements to be made on very low scale fields.

They are applied in the measure related to filter clogging, pressure drop, flow differences and level.

- Suitable for gaseous fluids, liquids, with particles, viscous and aggressive
- Monitoring and control of pumps
- Filter monitoring
- Level measurement in closed tanks



Design features

SIZE (DN):	100 - 150 mm
ACCURACY	1,6 (EN-837)
CASE AND RING	Stainless steel AISI 304
PRESSURE CONNECTION:	Stainless steel AISI 316 L; G 1/2" A UNI ISO 228/1
SENSING ELEMENT:	Stainless steel AISI 316 L
MOVEMENT:	Stainless steel AISI 304
POINTER:	Black anodized aluminium ; zero adjustment
WINDOW:	Glass 4 mm thickness
WINDOW GASKET:	EPDM
DIAL:	White aluminium with black marks

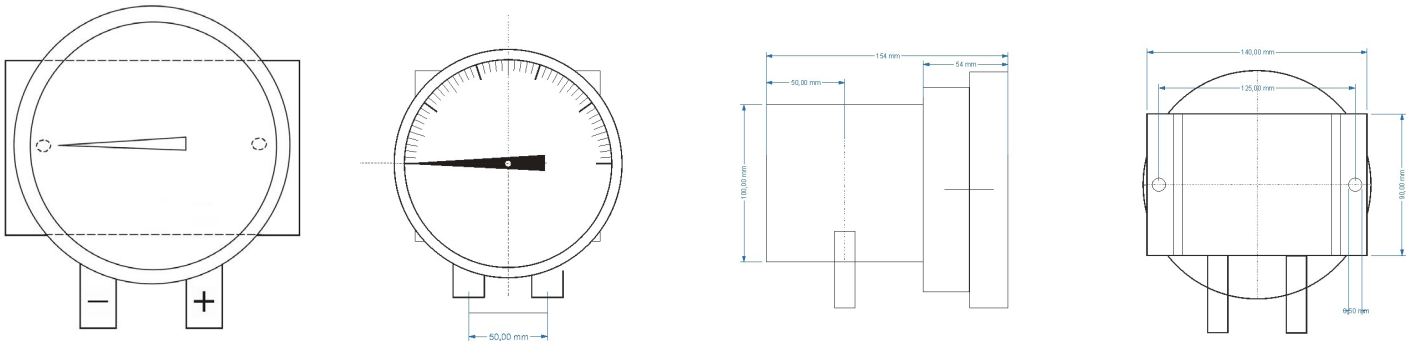
Models and scale fields

Model				
Model	Differential pressure	Unilateral static	Bilateral static	Range amplitude
RIB810-DP10	0-10 mbar	100 mbar	10 bar	180°
RIB810-DP10	0-16 mbar	160 mbar	10 bar	180°
RIB810-DP10	0-25 mbar	250 mbar	10 bar	180°
RIB810-DP10	0-40 mbar	400 mbar	10 bar	180°
RIB810-DP25	0-60 mbar	600 mbar	25 bar	180°
RIB810-DP25	0-100 mbar	1 bar	25 bar	180°
RIB810-DP25	0-160 mbar	1,6 bar	25 bar	180°

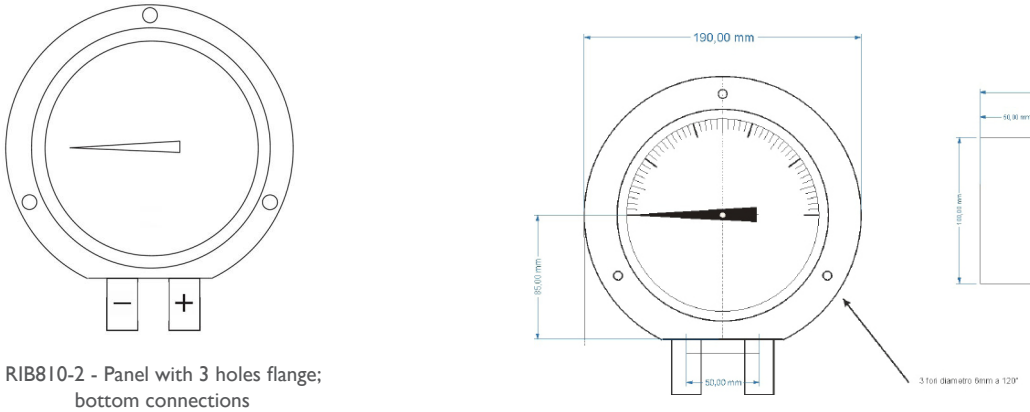
* On request range up to 600 mBar

Operating conditions	
Ambient temperature	-25+65°C
Process temperature	-25+65°C
Degree of protection	IP55

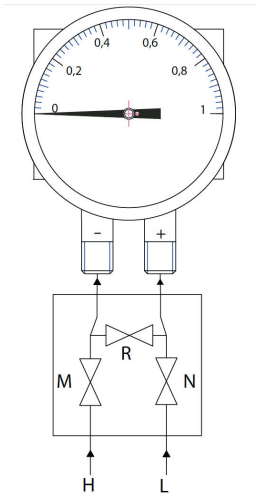
Types of assembly and dimensions



RIB810-1 - Wall with back bracket;
bottom connections.



RIB810-2 - Panel with 3 holes flange;
bottom connections



For a proper mounting of differential pressure gauges it is better to use three valves manifold (interception and bypass). The manifold is formed by a central valve R wich connects the two circuits and two valves M and N to exclude or include the gauge in the circuit under pressure.
It is necessary to mount and to remove the gauges with the bypass valve opened, in order to avoid high differential pressures.

Operate as follows:

1. valves M and N closed – R opened;

2. open slowly the valve N;

3. closed the valve R;

4. open slowly the valve M.

How to order

	Model	Assembling type	Dial	Differential range	Pressure connection	Options and accessories
EXAMPLE:	RIB810	1	DN 150	0/6 bar	G 1/2"	Filling liquid

Option and accessories

- Stainless steel AISI 316 case and ring ;
- Protecton grade IP 65 ;
- Glycerine or siliconic oil flling ;
- U-clamp for pole mountng ;
- Safety glass ;
- Degreasing for oxygen service ;
- Electric contacts / inductve contacts ;
- By-pass manifold.