

## Description & Features

- Cost effective and reliable
- Uses diaphragm sensor
- Easy to read dial instrument eliminates the accumulated errors of two instruments installations
- High operating pressure upto 200bar
- Differential pressure range upto 7 bar
- Indicating mechanism isolated from pressure chamber
- Wide application in air, gas and liquid media
- Reed contact switches optional
- Zero migration between high and low pressures
- Only switch is also available.



## Applications

Monitor filter conditions, set filter by-pass, or initiate filter cleaning cycle. Determine obstructions in process lines. Check condition of pumps, heat exchangers, and other processing equipment. Adjust flow rates in piping systems. Monitor liquid levels in storage tanks

## Specifications

### Dial Size

2.5"(63mm), 3.5"(80mm), 4"(100mm)  
4.5"(115mm) & 6"(150mm)

### Case

Stainless steel case or flange

### Body Material

316 stainless steel, aluminium or brass

### Wetted parts

Diaphragm, ceramic magnet, SS 304 spring

### Connection

1/4", 1/2", 3/8" in NPT, BSP, BSPT

### Seals

Buna-N (Standard) or Viton

### Porting

In line (standard), Back or bottom on request

### Migration of media

Zero migration between high and low pressures

### Protection

IP 65

### Window

Glass, Acrylic or Toughened glass

### Pressure range

0.25 upto 7 bar (5 upto 100 psi)

### Working pressure

200 bar / 3000 psi

### Media Temperature

80 °C/175 F

### Accuracy

±2.0% (Ascending)

### Operating principle

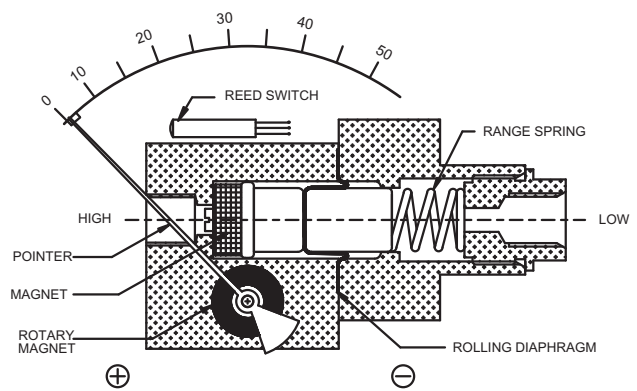
Magnetic coupling with a rolling diaphragm sensor

### Switch

SPST or SPDT, one or two. Switches are field adjustable. The set points can be increased or decreased externally with a simple screwdriver adjustments. When two switches are used, either switch can be adjusted independently.

### Options

Glycerine filling, maximum adjustable pointer, dual scale, DIN plug strainer in (+) connection  
Other connection size available  
Other internal parts in Aluminium, or SS-316 as per the body

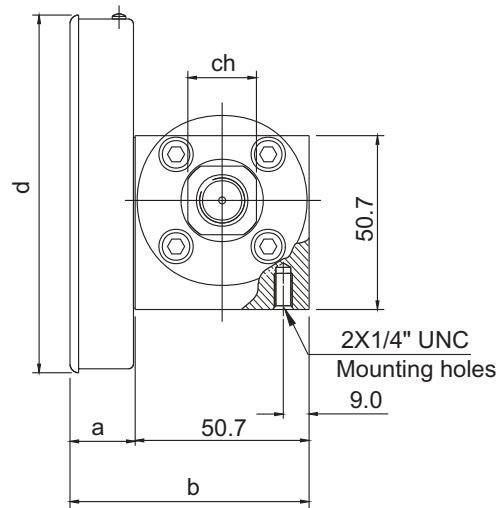
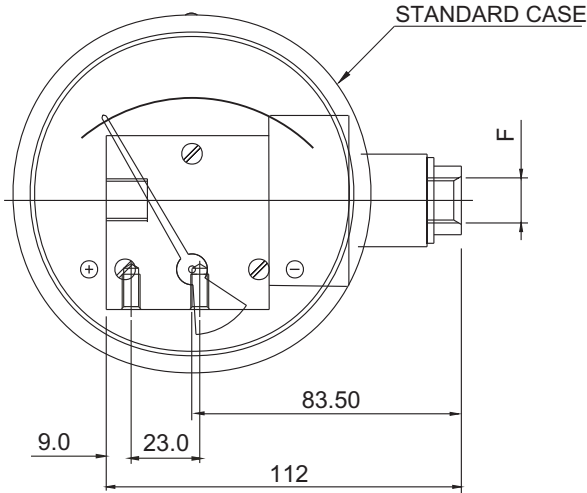


## Order Information

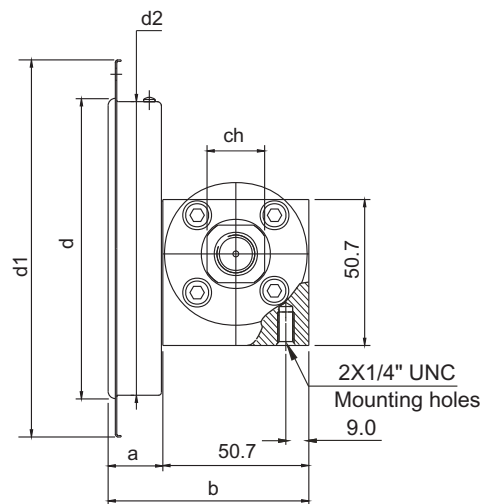
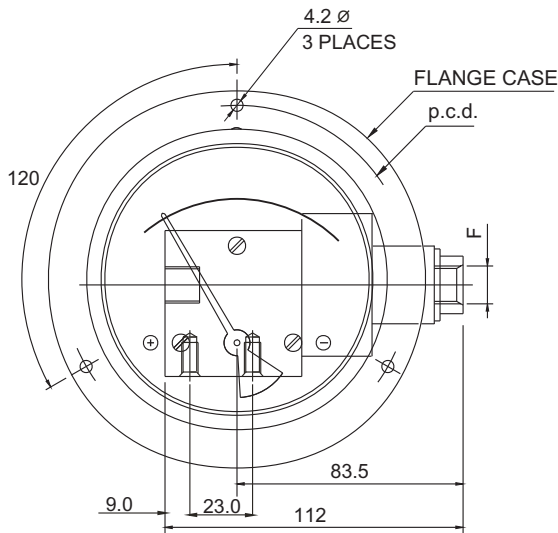
Series/ Dial Size/ Case Materials/ Wetted Parts/ Configuration/ Connection Size/ Thread/ Range/ Option

## Dimensions

Standard dimensions, in-line porting



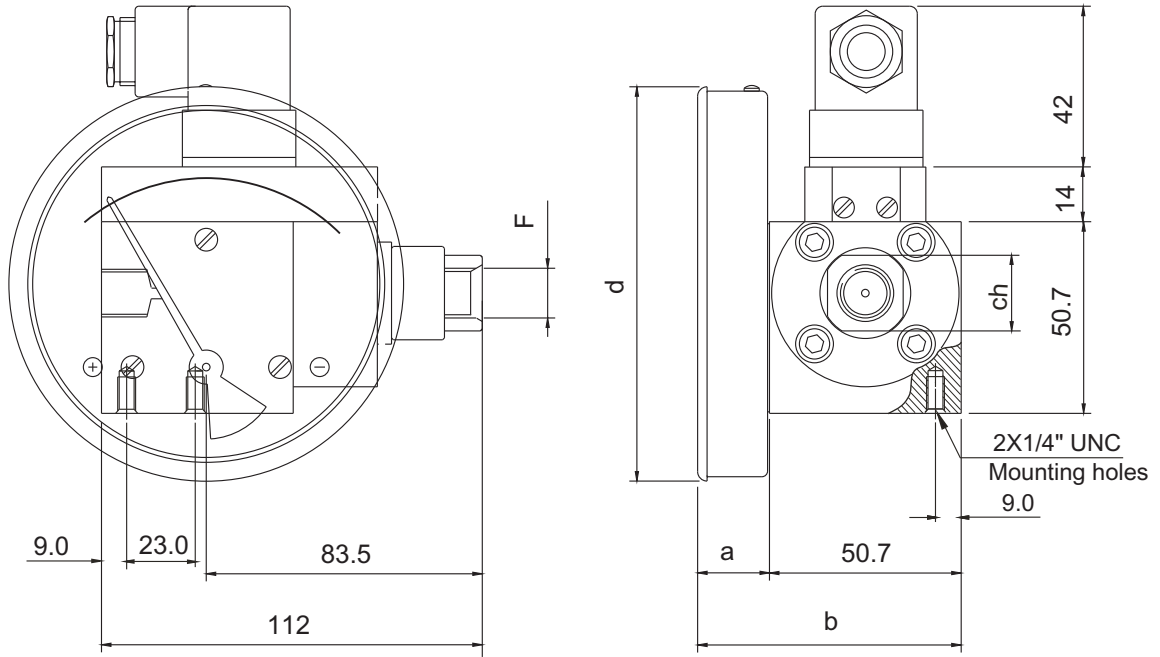
DIAL Ø	F	a	b	d	ch
63 (2.5")	1/4"BSP - 1/4"NPT	19	69.7	66	20
80 (3.5")	1/4"BSP - 1/4"NPT	19	69.7	83	20
100 (4")	1/4"BSP - 1/4"NPT	19	69.7	104.3	20
115 (4.5")	1/4"BSP - 1/4"NPT	19	69.7	119.7	20
150 (6")	1/4"BSP - 1/4"NPT	19	69.7	154.3	20



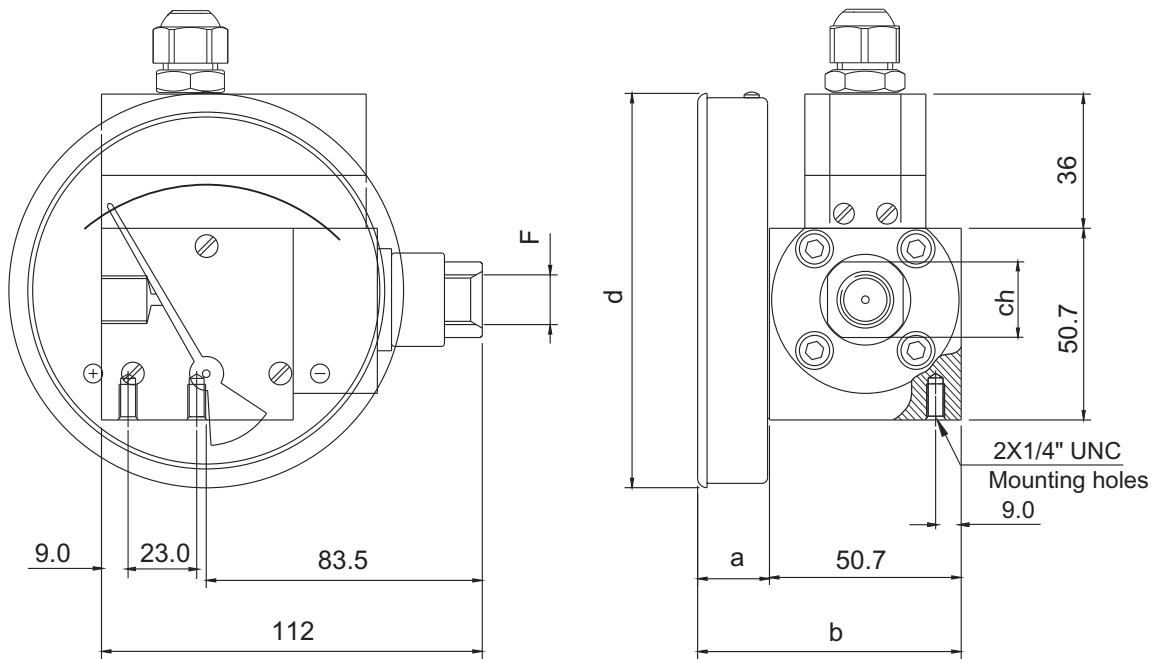
DIAL Ø	F	a	b	d1	d2	ch	p.c.d.	d *
63 (2.5")	1/4"BSP - 1/4"NPT	19	69.7	93	65	20	83	66
80 (3.5")	1/4"BSP - 1/4"NPT	19	69.7	109	82	20	99	83
100 (4")	1/4"BSP - 1/4"NPT	19	69.7	131	102	20	121	104.3
115 (4.5")	1/4"BSP - 1/4"NPT	19	69.7	146	117	20	136	119.7
150 (6")	1/4"BSP - 1/4"NPT	19	69.7	181	152.5	20	171	154.3

\* PANEL CUT OUT = d + 1 mm.

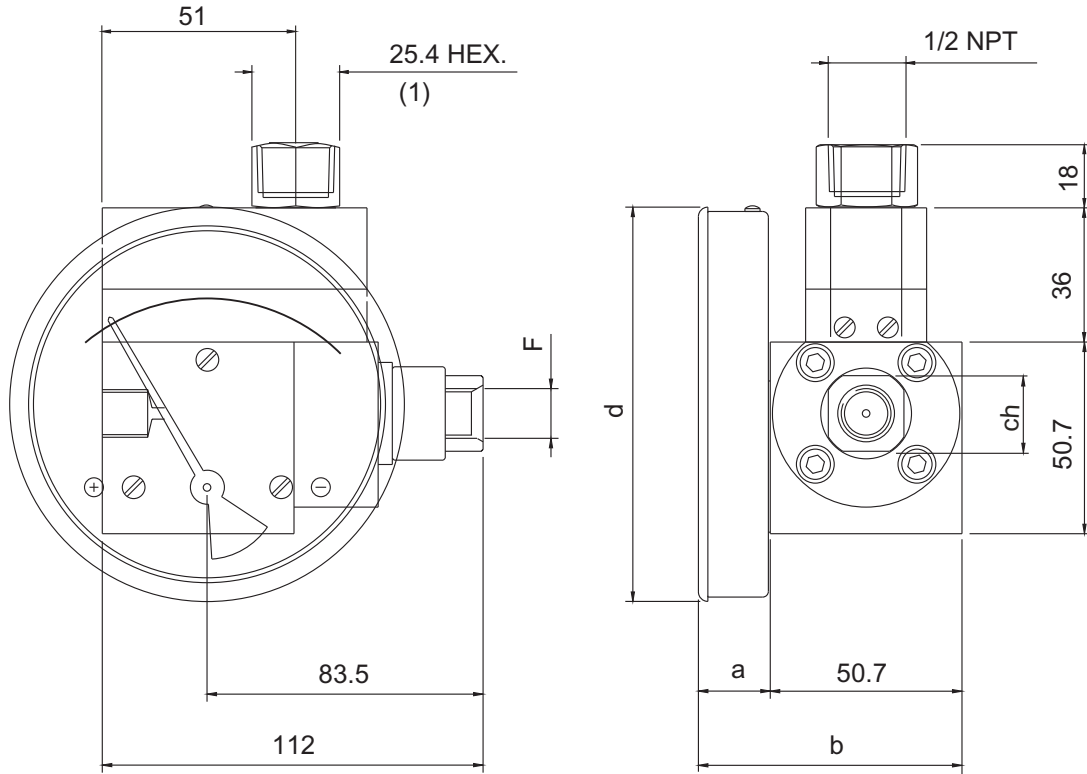
Gauge + Switch with reed contacts with DIN and terminal strip



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Gauge + Switch with reed contacts with terminal strip & 1/2" conduit connection



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### Ordering Code PRD Series

Field No.	Code	Specifications												
1.	PRD	Series												
<b>Dial Size</b>														
2.	25	2.5" (63mm)												
	35	3.5" (80mm)												
	40	4" (100mm)												
	45	4.5" (115mm)												
	60	6" (150mm)												
<b>Type</b>														
3.	A	Gauge												
	B	Switch												
	C	Gauge+Switch												
<b>Body Material</b>														
4.	S	316 stainless steel												
	B	Brass												
	J	Aluminium (anodized)												
<b>Case Material (IP 65)</b>														
5.	S	SS case with rubber ring (standard)												
	F	SS case with rubber ring and integral front flange												
<b>Window</b>														
6.	F	Glass (standard)												
	T	Toughened glass												
	A	Acrylic												
<b>Porting</b>														
7.	I	In-line/side (standard)												
	R	Rear / back												
	B	Bottom												
	N	In-line & Bottom												
<b>Connection</b>														
8.	4B	1/4" BSP (Female) (On request,longer lead time)												
	4N	1/4" NPT (Female)												
	4T	1/4" BSPT (Female) (on request,longer lead time)												
	ZZ	Special connection sizes using adaptor												
<b>Seal</b>														
9.	B	Buna-N (standard)												
	V	Viton												
	E	EPDM												
<b>Switch</b>														
10.	0	None												
	1	One SPST, with a DIN plug*												
	2	One SPST, with a terminal strip												
	9	One SPST, with built in relay												
	3	Two SPSTs, with a DIN plug*												
	4	Two SPSTs, with a terminal strip												
	5	One SPDT, with a DIN plug*												
	6	One SPDT, with a terminal strip												
	7	Two SPDTs, with two DIN plugs*												
	8	Two SPDTs, with a terminal strip												
* DIN plug : We mount it on the top,on the plastic switch cover. However we can mount it at the back as a request														
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