



Special Features

- Stainless steel case & measuring system
- Standard followed in general EN 837-1

Application

- To control the electrical operation of compressors
- Pumps
- Motors
- Presses
- Hydraulic
- Pneumatic equipments
- Chemicals
- Petrochemical plants

Specifications

Standard Version : 63mm 100 mm & 150 mm

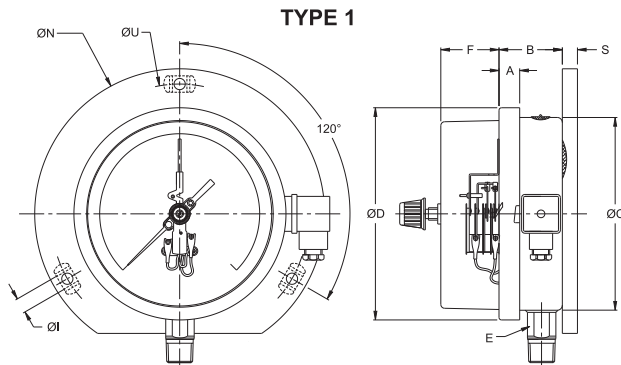
Accuracy	:	±1.0% of F.S. / Switching Accuracy 2% of F.S.
Ambient temperature	:	- 20°C to + 65°C
Process temperature	:	Max. 100°C
Electric wiring	:	DIN Connector
Contact setting	:	Over on arc of 270° through a knob placed on front of lens
Operating pressure range	:	75% of Scale Value
Over pressure limit	:	Not Suitable
Case & Bezel	:	AISI 304 SS (Bayonet Type)
Bourdon	:	AISI 316 SS
Socket	:	AISI 316 SS (Directly welded to case)
Movement	:	AISI 304 SS
Joints	:	Tig Argon Arc Welding
Protection	:	IP 55
Dial	:	Aluminum, black graduation on white background
Pointer	:	Aluminum, black coloured micrometer zero adjustable
Window	:	Polycarbonate Dome
Electrical Contacts*	:	Refer How to Order
Blow off Disc	:	Neoprene
Gasket & Filling Plug	:	Neoprene

* Please specify contact set points while ordering.

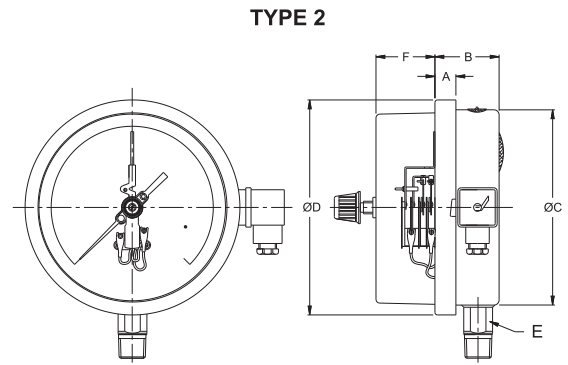
Temperature effect:

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 : $\pm 0.04 \times (t_2 - t_1) \% \text{ of F. S.}$ where t_1 = reference temperature (+20°C) and t_2 = ambient temperature in °C.
Note : The addition of mechanical electric contacts affects the accuracy of instruments such that 1% becomes 1.5%, 1.6% becomes 2.4% etc.
(Add the 50% of accuracy; If the contact is of the magnetically assisted type, this value can't be added within the ±5% of setting point.)

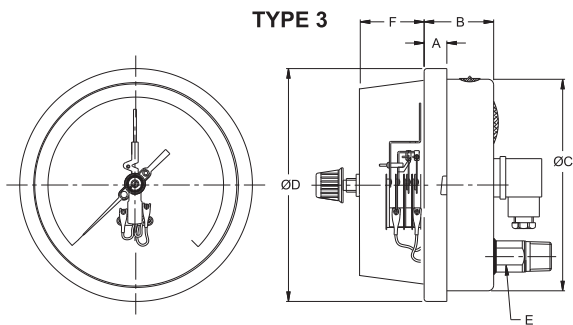
Dimensions - standard version



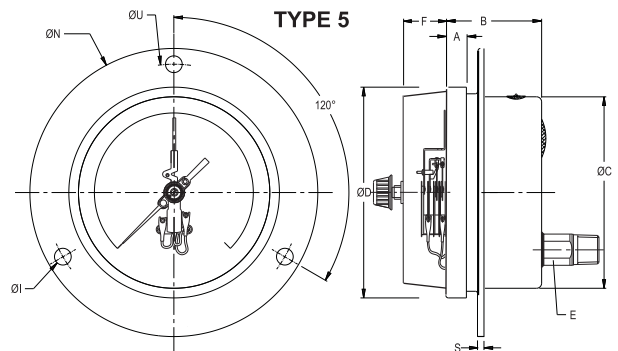
NS	A	B	$\varnothing C$	$\varnothing D$	E	F	$\varnothing I$	$\varnothing N$	$\varnothing U$	L	S	Weight in gram (With Box)
100	12.5	45	100	111	22	44	6	134	118	14.5	6	890.0
150	15	46.5	149	161	22	44	6	186	168	14.5	6	1370.0



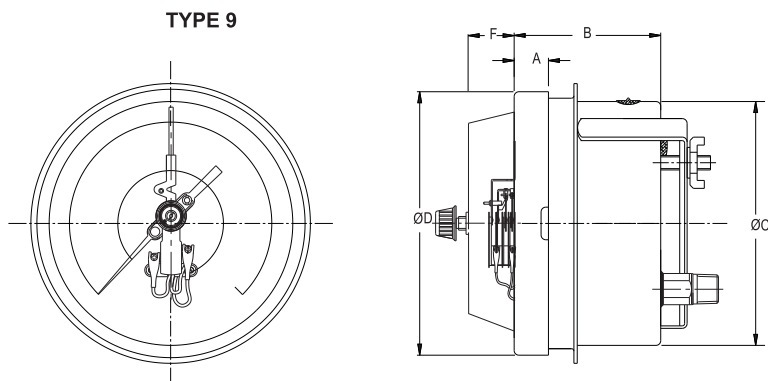
NS	A	B	$\varnothing C$	$\varnothing D$	E	F	Weight in gram (With Box)
63	12	31	63	70	14	29	350.0
100	12.5	47	100	111	22	44	800.0
150	15	49	149	161	22	44	1200.0



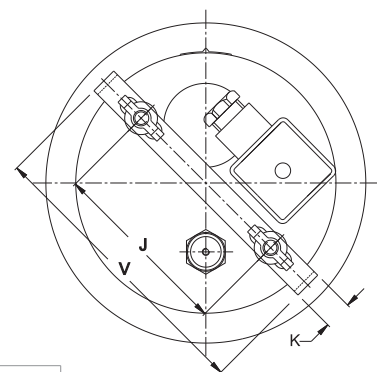
NS	A	B	$\varnothing C$	$\varnothing D$	E	F	Weight in gram (With Box)
100	12.5	47	100	111	22	44	790.0
150	15	49	149	161	22	44	1140.0



NS	A	B	$\varnothing C$	$\varnothing D$	E	F	$\varnothing I$	$\varnothing N$	$\varnothing U$	Weight in gram (With Box)
100	12.5	47	100	111	A/F 22	44	6	134	118	860.0
150	15	49	149	161	A/F 22	44	6	186	168	1300.0



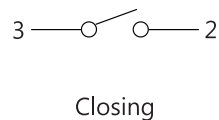
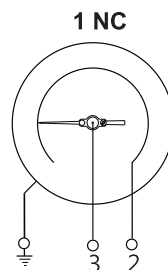
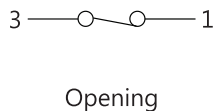
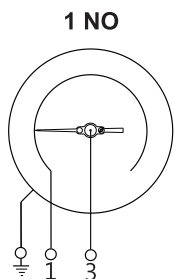
NS	A	B	$\varnothing C$	$\varnothing D$	E	F	J	K	V	Weight in gram (With Box)
100	12.5	47	100	111	A/F 22	44	72	16	108	870.0
150	15	49	149	161	A/F 22	44	106.5	16	166	1240.0



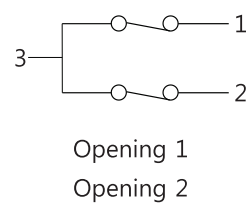
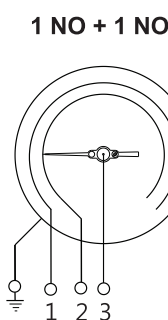
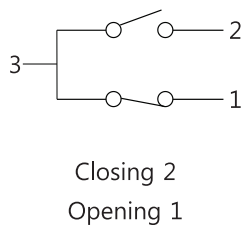
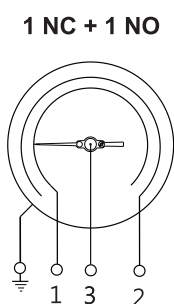
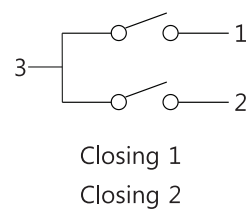
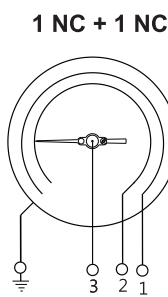
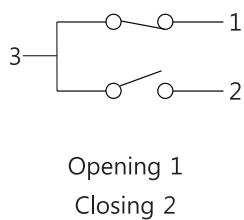
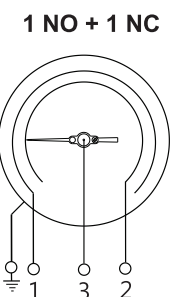
Electrical Contact Wiring Information

Wiring diagrams for electric contacts

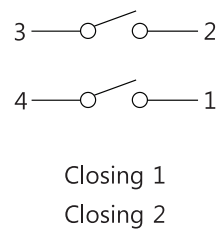
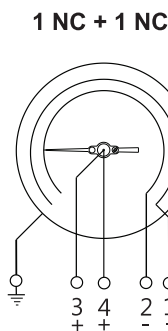
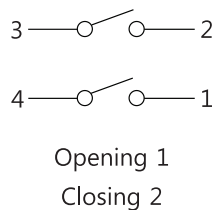
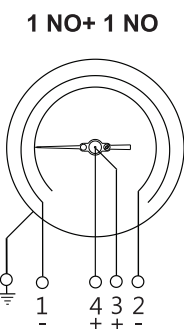
Single Contact



Double contact



Independent double contact



Range Table

Note : We offer Pressure, Vacuum and Compound ranges in Scales like kPa, MPa, bar, psi, kg/cm² & Dual Scale like kPa with psi, kPa with bar, bar with psi or scales as per the requirement can be provided on request. Following are the example tables for kg/cm² & psi scales

Pressure & Compound

Pressure - single scale (kg/cm ² or bar)					Compound - single scale (kg/cm ² or bar)
0/1.6	0/10	0/60	0/400		
0/2.5	0/16	0/100	0/600		-1/5
0/4	0/25	0/160	0/1000		-1/9
0/6	0/40	0/250	0/1600		-1/15

Dual scale (psi with kg/cm²)

psi	kg/cm ²	psi	kg/cm ²	psi	kg/cm ²	psi	kg/cm ²
0/25	0/1.6	0/220	0/16	0/1500	0/100	0/10000	0/700
0/35	0/2.5	0/300	0/20	0/2200	0/160	0/15000	0/1000
0/60	0/4	0/400	0/28	0/3000	0/200	0/22000	0/1600
0/100	0/7	0/600	0/40	0/4000	0/280		
0/150	0/10	0/1000	0/70	0/6000	0/400		