



BFC

All SS Pressure Gauge Electric contact Type (High Case Version)

Special Features

- **(€** Approved electrical contacts
- Stainless steel case & measuring system
- Filled version available
- Standard followed in general EN 837-1

Application

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

excel RETURNING

Specifications

Standard Version: 100 mm & 150 mm

Accuracy : ±1.0% of F.S.

Ambient temperature : -20°C to +65°C

Process temperature : Max. 100°C

Electric wiring : DIN Connector or 1 Meter Cable With Cable Gland 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 316L SS

Socket : AISI 316L SS (Directly welded to case)

Movement : AISI 304 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

Electrical Contacts* : Refer How to Order

Blow off Disc : Neoprene Gasket & Filling Plug : Neoprene

* Please specify contact set points while ordering.

Filled version - dielectric oil (option - DOF)

Accuracy : ±1.6% of F. S.

Ambient Temperature : Maximum 65°C

Process Temperature : +15°C / 65°C

Window : Plexi Glass

Blow off Disc* : NBR

Gasket & Filling Plug* : NBR

Dampening Liquids : Dielectric Oil

Other Features : Refer Specification of Standard Version

Temperature effect:

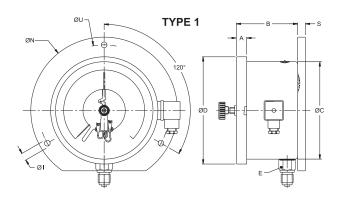
The variation of indication caused by effects of temperature is to be calculated by below formula; which is to be added in the specified accuracy while measurement: Formula: $\pm 0.04 \times (t2 - t1)$ % of F. S. where t1 = reference temperature ($\pm 20^{\circ}$ C) and t2 = ambient temperature in °C. 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 $\pm 5\%$ of setting point.)



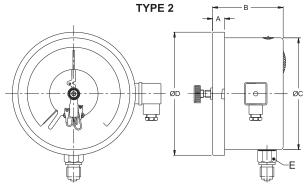
BEC

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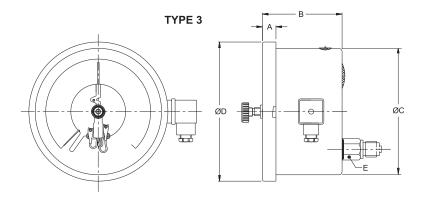
Dimensions - standard version



NS	Α	В	øс	ØD	Е	ØI	ØN	Øυ	s	Weight in gram (With Box)
100	12.5	90	100	111	A/F 22	6	134	118	6	920.0
150	15.5	96	149	161	A/F 22	6	186	168	6	1600.0



NS	Α	В	øс	ØD	E	Weight in gram (With Box)
100	12.5	90	100	111	A/F 22	840.0
150	15.5	91	149	161	A/F 22	1450



NS	A	В	øс	ØD	E	Weight in gram (With Box)
100	12.5	90	100	111	A/F 22	820.0
150	15.5	91	149	161	A/F 22	1450.0

Notes: • Drawings are not to scale.

- All Dimensions are in mm.
- NS = Nominal Size.

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 - sir	ngle scale (k	g/cm² or bar)		Compound - single scale (kg/cm² 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/cm²	psi	kg/cm²	psi	kg/cm²	psi	kg/cm²
0/25	0/1.6	0/230	0/16	0/1500	0/100	0/10000	0/700
0/35	0/2.5	0/300	0/20	0/2300	0/160	0/15000	0/1000
0/60	0/4	0/400	0/28	0/3000	0/200	0/23000	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		

Accessories (Refer Datasheet for complete specifications)

CT Cooling tower
GC Gauge cock

CS Over load protector (gauge saver)**

Needle valve

SN Snubber
Sp Siphon

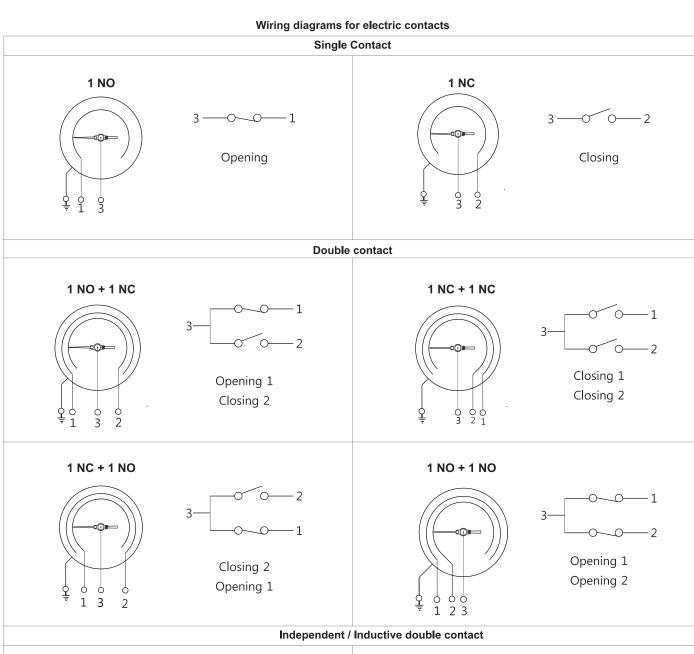
^{*} Refer catalogue for Valves & Manifolds

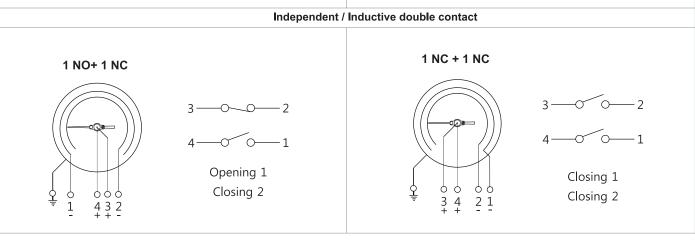
^{**} For Pressure Ranges.

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Electrical Contact Wiring Information







BEC

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Basic	Model						BEC
Code							
Nomir	nal Size	40	6	0			XX
		100 mr	n 150	mm			
Туре	of Mounting						
1 2 3	Wall, surface, projection moun Direct bottom entry Direct lower back entry	nting with bo	ottom entry	5 9	·	k entry with front flange mounting bracket	X
Gauge	e Connection						
2BM	1/4" BSP (M)	2NM	1⁄4" NPT (N	Л)	4TM	½" BSPT (M)	
3BM	, ,	3NM	3/8" NPT	•	4MM	M20 x 1.5 (M)	XXX
4BM		4NM	½" NPT (
Range)		<u> </u>				0/10
Rofor	range table						kg/cı
10101	range table						
Electi For di A) Sin 230 V Avail	ric Contacts (C€ Approved) ry version, with ingress protection rgle insulated magnetic snap ac 7 AC, 1 Amp.)(48 V DC, 0.5 Amp able for 1 kg/cm² & above)	ction type o.)	5 & poly ca	B) Ir (Ava	nductive type (220 nilable for 1000 mm	n WC & above)	-
Electi (For di A) Sin (230 V (Avail: M1 M2 M3 M4 M5	ric Contacts (C€ Approved) ry version, with ingress protection rgle insulated magnetic snap act AC, 1 Amp.)(48 V DC, 0.5 Amp able for 1 kg/cm² & above) Single; normally closed (1 NC) Double; normally closed + norm Single; normally open (1 NO) Double; normally open + norm Double; normally closed (both	mally open ally closed NC)	(1 NC + 1 N	B) Ir (Ava D1 IO) D2 D3	Single; normally Double; normally Double; normally Double; normally Double; normally	open (1 NO) closed (1 NC) y closed + normally open (1 NC + 1 NO) y open (both NO) y closed (both NC)	XX
Electi (For di A) Sin (230 V (Availa M1 M2 M3 M4 M5 M6	ric Contacts (C€ Approved) ry version, with ingress protection rgle insulated magnetic snap ar AC, 1 Amp.)(48 V DC, 0.5 Amp able for 1 kg/cm² & above) Single; normally closed (1 NC) Double; normally closed + norm Single; normally open (1 NO) Double; normally open + norm Double; normally closed (both Double; normally open (both N	mally open ally closed NC)	(1 NC + 1 N	D1 D2 D3 NC) D4 D5	Single; normally Double; normally Double; normally Double; normally Double; normally	open (1 NO) closed (1 NC) y closed + normally open (1 NC + 1 NO) y open (both NO)	XX
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Electi (For di A) Sin (230 V (Avail: M1 M2 M3 M4 M5 M6 Option	ric Contacts (C€ Approved) ry version, with ingress protection rgle insulated magnetic snap ar AC, 1 Amp.)(48 V DC, 0.5 Amp able for 1 kg/cm² & above) Single; normally closed (1 NC) Double; normally closed + norm Single; normally open (1 NO) Double; normally open + norm Double; normally closed (both Double; normally open (both N	mally open ally closed NC)	(1 NC + 1 N (1 NO + 1 N	B) Ir (Ava D1 NO) D2 D3 NC) D4 D5 D6	Single; normally Double; normally	open (1 NO) closed (1 NC) y closed + normally open (1 NC + 1 NO) y open (both NO) y closed (both NC) y open + normally closed (1 NO + 1 NC) andard	
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For other optional items, please contact factory for delivery and minimum quantity of order.

Note: Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing. Modifications may take place and materials specified may be replaced by others without prior notice.