



BES Series Diaphragm Low Pressure Contact Gauge

Features

- Accuracy Class 1,6 or 2.5 (P<250mbar)
- Electric, magnetic and inductive contact
- All stainless steel construction
- Various diaphragm material selection
- Safety Blow-Out-Back device (BOB)
- Pressure range 0..40 mbar to 25 bar
- Over pressure up to 30% of Full Scale
- Direct bottom connection only
- Design scale ranges up to 25 bar



Application

BES Series is a design low pressure diaphragm contact pressure gauge which adopt diaphragm as sensitive measuring element, and supported various diaphragm materials to suit wide range of application. BES series suitable use in corrosive and viscosity application (non-solidification and non-crystal medium). The pointer of gauge act as on / off to the contact to operate automatic control and alarm system.

Technical Specification

- Nominal Size
100 and 160 mm
- Accuracy Class
Class 1,6 and Class 2.5
Set accuracy Class 4.0
- Case Ingress Protection
IP54
- Connection Size
G $\frac{1}{2}$ or $\frac{1}{2}$ NPT
- Scale Range
Pressure 0..40 mbar up to 25 Bar
Vacuum -1000 mbar..0 to -40 mbar..0
Compound -16+25 to -400+600 mbar
- Measuring Element
Diaphragm type
- Filling
Dry execution
- Environment Temperature
Temperature -40°.. +70°C
- Casing and Bezel Ring
Stainless steel 304
- Wetted Parts
Stainless steel 316
- Window
Organic glass, double layer safety glass
- Diaphragm
S3316L (Standard), PTFE coated or lining
- Pointer
Black painted aluminium



Contact

- Contact type
Magnetic, electric and inductive
- Contact points
1 or 2 contacts
- Maximum working voltage
380 VAc or 220 VAc
- Maximum current
1A
- Contact power
30 VA
- Contact function
Please see 'Contact Function' table



Ordering Code



BRO THOTERM
GERMANY TECHNOLOGY

Model ^① Dial ^② <Pressure range> ^③ Mounting ^④ - Connection ^⑤ - Filling ^⑥ - Contact ^⑦ *Option ^⑧

①	Model - Contact type
BES A	Magnetic contact
BES B	Electric contact
BES E	Inductive contact
②	Dial Size
500	100 mm
760	160 mm
④	Mounting
D	Bottom / Direct connection
⑤	Connection size
G2	G $\frac{1}{2}$ "
N2	$\frac{1}{2}$ " NPT
⑥	Filling
D	Dry (Not fillable)
⑦	Contact function
Please refer to Contact Function table, next page...	
⑧	Option
SU	Special unit range
DC	PTFE Diaphragm coating
WS	Stainless steel 316L wetted parts
OC	Other connection thread

③ Single unit range standard			
MBar	mmH2O	Bar	Psi
-15..+25	-15..+250	-30"Hg.. 0	-1..0
-20..+40	-20..+400	-30"Hg.. 8	-1..0.6
-40..+60	-40..+600	-30"Hg.. 20	-1..1.5
-60..+100	-60..+1000	-30"Hg.. 40	-1..3
-100..+150	-100..+1500	-30"Hg.. 70	-1..5
-150..+250	-150..+2500	-30"Hg.. 130	-1..9
-200..+400	-200..+4000	-30"Hg.. 200	-1..15
-600..0	-6000 ..0	-30"Hg.. 350	-1..24
-400..0	-4000 ..0	0..15	0..1
-250..0	-2500 ..0	0..20	0..1.6
-160..0	-1600 ..0	0..35	0..2.5
-100..0	-1000 ..0	0..60	0..4
-60 ..0	-600 ..0	0..85	0..6
-40 ..0	-400 ..0	0..100	0..7
0..40		0..150	0..10
0..60		0..230	0..16
0..100		0..350	0..25
0..160			
0..250			
0..400			
0..600			

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