

Main Specifications

▼ **Size**
4" , 6"

▼ **Window**
Safety glass

▼ **Pressure connection**
Material: SS316
Welded / O-ring sealed
Thread size: 1/4" , 3/8" , 1/2"
Thread type: BSPT, NPT, PF

▼ **Pressure range**
Gauge pressure ▼
0...100kg/cm²
(or specified up to 400 kg/cm²)
Negative pressure ▼
-760mmHg...0
Compound pressure ▼
0...±0.6kg/cm²

▼ **Applicable fluid**
Liquid and gas that compatible with connection's material

▼ **Ambient temperature**
-20°C to +60°C

▼ **Fluid temperature**
+100°C

▼ **Liquid-filling**
(For pressure range over 2500mmH₂O)
Glycerin

▼ **Temperature drift**
20°C as standard, every ±8°C
max. error: ±0.5% F.S.

▼ **Protection level**
IP54 (standard) / IP65 (option)

▼ **Explosion-proof level**
Exib II CT6

Other Specifications

▼ **Ring material**
Stainless steel

▼ **Ring mount**
Outside bayonet
Adjustable set point

▼ **Case material**
SS 304

▼ **Wiring type**
Concealed magnet base with junction box

▼ **Switch contact type**
Inductive Switch SPST
(NC / NO)

▼ **Contact function**
Single contact N.O. (1a) /
Single contact N.C. (1b) /
Double contacts N.O.+N.C. (1a1b) /
Double contacts N.C.+N.O. (1b1a) /
Double contacts N.O.x2 (2a) /
Double contacts N.C.x2 (2b)
For more information please refer to single / double contacts wiring

▼ **Number of contact**
SPSTx1 / SPSTx2 / SPSTx4

▼ **Contact material**
80% silver, 20% nickel, 10µm gold-plated (>110V)
Gold (≤36V)

▼ **Pointer**
Aluminum with black enamel

▼ **Dial face**
Red and black scale
Pressure unit, scale, and color can be customized upon request

▼ **Measuring elements**
Bourdon
Material: SS316

▼ **Protection design (option)**
Install a blow out back
(Only available for 4")

▼ **Movement**
Stainless steel

▼ **Gauge accuracy**
±2.5%F.S. (standard)
±1.6%F.S. (option)
±1.0%F.S. (option)

▼ **Set point accuracy**
±4.0%F.S.

▼ **Max operating voltage**
380VAC / 220VDC

▼ **Max current**
1A

▼ **Contact capacity**
30VA

▼ **Operating pressure**
Stabilization: 3/4* F.S.
Fluctuation: 3/4* F.S.
Impulse: 1* F.S.

Explosion-proof Micro Pressure Gauge with Switch Contact

Model: ECI

Introduction

The ECI contact pressure gauge uses a Bourdon tube as its measuring element, which can be made of different materials depending on the measured medium. It is suitable for the micro-pressure measurement of viscous media. By connecting or disconnecting the contacts between the instrument pointer and the set pointer, it controls the switching of circuits in the system to achieve automatic control and alarm functions.

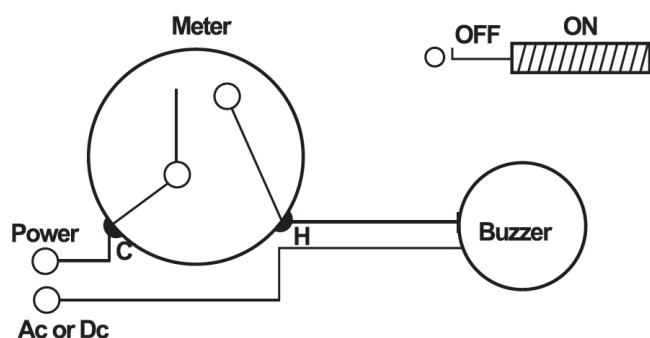


Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales.
(If there is any change on specification, please take the latest version as standard.)

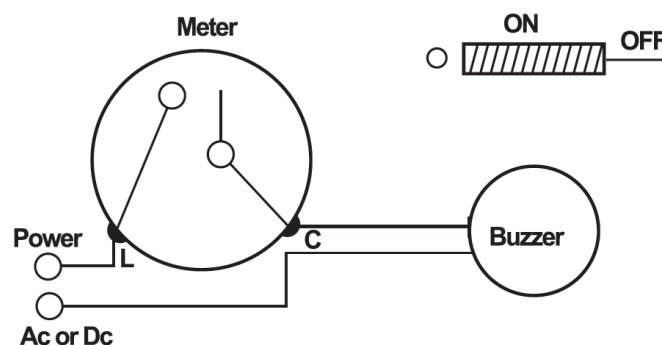
Features

- OEM service
- Adopts SPST explosion-proof inductive switch
Contact for 4" /6" pressure gauge
- Non-contact type switch, comply with
Explosion-proof level Exib II CT6
- Specially designed for measuring micro pressure
- Liquid-filled available, protection level IP65

Contact wiring type



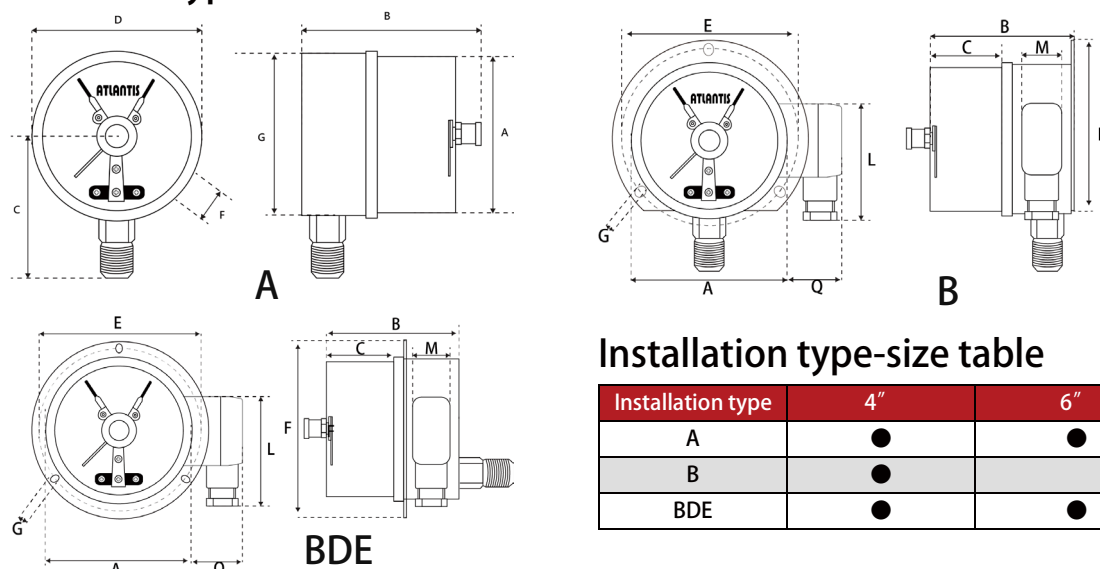
Single contact N.O. (1a)



Single contact N.C. (1b)

Double contacts		
	When the pressure indicator reaches left set point (green pointer), "1" contact breaks (circuit open); When the pressure indicator reaches right set point (red pointer), "2" contact makes (circuit close) (NC+NO) <Positive pressure: left→right> Switch mode: SPST X 2	1a1b
	When the pressure indicator reaches left set point (red pointer), "1" contact makes (circuit close) When the pressure indicator reaches right set point (green pointer), "2" contact breaks (circuit open) (NO+NC) <Positive pressure: left→right> Switch mode: SPST X 2	1b1a
	When the pressure indicator reaches left set point (yellow pointer), "1" contact makes (circuit close) When the pressure indicator reaches right set point (red pointer), "2" contact makes (circuit close) (NO x 2) <Positive pressure: left→right> Switch mode: SPST X 2	2a
	When the pressure indicator reaches left set point (green pointer), "1" contact breaks (circuit open) When the pressure indicator reaches right set point (yellow pointer), "2" contact breaks (circuit open) (NC x 2) <Positive pressure: left→right> Switch mode: SPST X 2	2b

Installation type



Installation type-size table

Installation type	4"	6"
A	●	●
B	●	●
BDE	●	●

How to order

ECI Explosion-proof Micro Pressure Gauge with Switch Contact

Std.	Spec.	Code	Item	Code	Item	Code	Item	Code	Item
04	Size	04	4"	06	6"	—	—	—	—
1a1b	Contact function	1a	N.O.	1b	N.C.	1a1b	N.O.+N.C.	1b1a	N.C.+N.O.
		2a	N.O.x2	2b	N.C.x2	—	—	—	—
2	Number of contact	1	SPSTx1	2	SPSTx2	4	SPSTx4	—	—
316	Connection material	316	SS316	O	Others	—	—	—	—
316	Bourdon material	316	SS316	O	Others	—	—	—	—
2	Thread size	2	1/4"	3	3/8"	4	1/2"	O	Others
N	Thread type	P	BSPT	N	NPT	F	PF	O	Others
Custom	Pressure range	Gauge pressure ▼ 0...100kg/cm ² (or specified up to 400 kg/cm ²) Negative pressure ▼ -760mmHg...0 Compound pressure ▼ 0...±0.6kg/cm ² Customized pressure unit (inHg, mmHg, cmHg, etc...), single / dual scale							
C	Accuracy	A	±1%	B	±1.6%	C	±2.5%	—	—
/D	Other requests	/A	Third party notarized documents			/B	Inspection report		
		/C	Tag			/D	Customized dial face (scale, color, unit, etc.)		
		/E	Install a diaphragm seal			/F	Filled with insulating oil (For pressure range >2500mmH ₂ O only)		
		/G	Diaphragm with PTFE coating			/H	Internal stop pin for overpressure protection		
		/I	Max. voltage AC 380 V			/J	Epoxy coating		
		/K	Install a blow out back			/L	Case material SS316		
		/M	Contact material: platinum-iridium alloy			/N	Contact material: pure silver 999		

Others: ECI - 04 - 1a1b - 2 - 316 - 316 - 2 - N - (0...100kg/cm²) - C + /D