ATLANTIS®

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...400 to 10000mmH$_2$O
Negative pressure▼
-1...0bar / -76...0cmHg
Compound pressure▼
-1...0 to 10000mmH$_2$O
▼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
2500mmH$_2$O)
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
Diaphragm
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 (Inductive Switch Type)
Model: ECI-LP
Introduction

ECI-LP pressure gauge with inductive switch adopts diaphragm as measuring elements, which is suitable for micro pressure measurement. When pressure increase/decrease to set point, the contact will makes/breaks to control and alarm the connected facility.

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.)
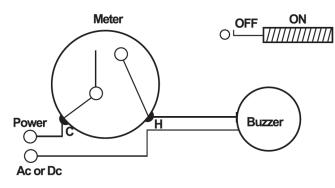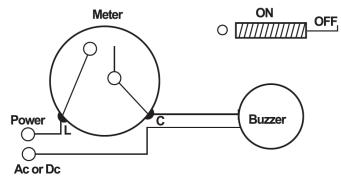
Features

■ 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

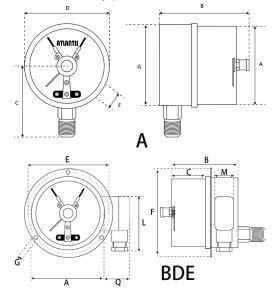## Single contact N.O. (1a)

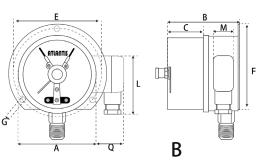## Single contact N.C. (1b)

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

A

B

BDE

Installation type-size table

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

How to order

ECI-LP Explosion-proof Micro Pressure Gauge with Switch Contact (Inductive Switch Type)									
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	Diaphragm 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···400 to 10000mmH$_2$O Negative pressure▼ -1···0bar / -76···0cmHg Compound pressure▼ -1···0 to 10000mmH$_2$O 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-LP - 04 - 1a1b - 2 - 316 - 316 - 2 - N - (0···10bar) - C + /D