



SJ PRE3

**ELECTRIC
CONTACT
PRESSURE
METTER**



Electric Contact Pressure Gauge: 3" Magnetic Snap-action

Mechanical
Pressure Gauge

Model: PRE3

Product Description

- Suitable for observation and automatic control
- Adjustable magnetic strength to avoid frequent, accidental collision of contacts due to vibration
- A variety of contact types to choose from



Product Specification

Connection location

Bottom mount, back mount, back mount with flange

Electrical connections

Cable outlet

Nominal size

3"

Scale ranges

0 ... 1 kg/cm² to 0 ... 1000 kg/cm² or other equivalent units of pressure, vacuum or compound.

Accuracy

±3.0% F.S.

Process connection

316L SS

1/4", 3/8", 1/2"; PT, G, NPT

Window

PC

Movement

Copper alloy

Bourdon tube

316 SS

Pressure limitation

Steady: full scale value

Fluctuating: 0.9 x full scale value



Product Specification

Ambient temperature

-20°C ... 70°C

Medium temperature

-20°C ... 150°C

Contact

Version:

Magnetic snap-action contact

Type:

Single contact N.O.

Single contact N.C.

Double contacts N.O. (3-wire/4-wire)

Double contacts N.O. + N.C. (3-wire/4-wire)

Double contacts N.C. (3-wire)

Electrical contact specification

Rated voltage: 250 V (Max.)

Contact capacity: 30 W ~ 50 VA (Max.)

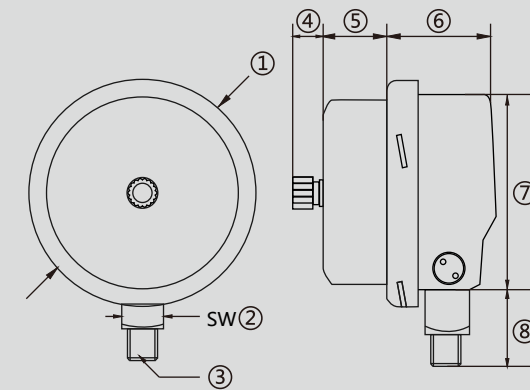
Starting current: 1.0 A (Max.)

Persistent current: 0.6 A (Max.)

Switching voltage: 24 V (Min.)

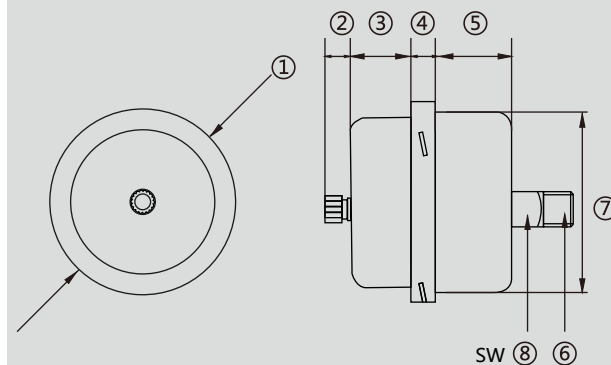
Dimensions

Bottom mount



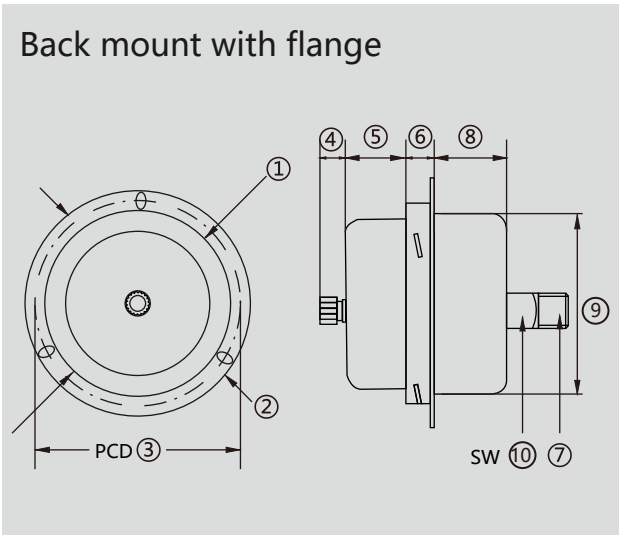
Dimensions (mm)								
NS	①	②	③	④	⑤	⑥	⑦	⑧
3"	84	17	3/8"	27	35	46.5	75	35

Back mount



Dimensions (mm)								
NS	①	②	③	④	⑤	⑥	⑦	⑧
3"	85	28	34	10	36	3/8"	75.5	17

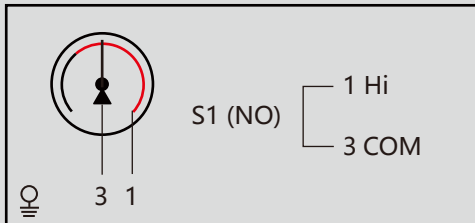
Dimensions



Dimensions (mm)										
NS	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩
3"	85	102	90	28	34	10.5	3/8"	36	75.5	17

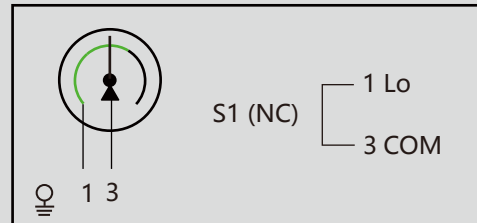
Contact Type

2R Single contact N.O.



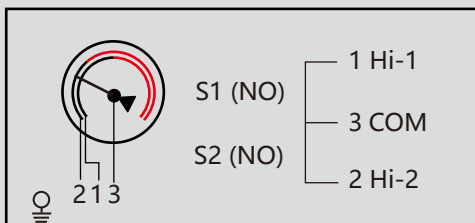
S1 contact makes when the pointer reaches the set point.

2G Single contact N.C.



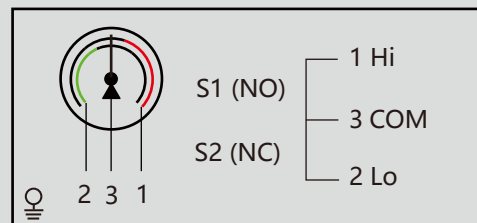
S1 contact breaks when the pointer reaches the set point.

3RR Double contacts N.O. (3-wire)



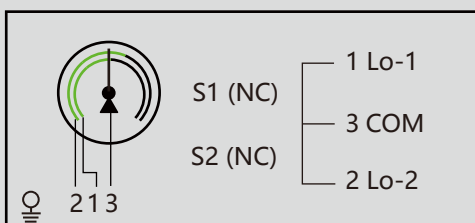
S1 and S2 contact make when the pointer reaches the set point.

3RG Double contacts N.O. + N.C. (3-wire)



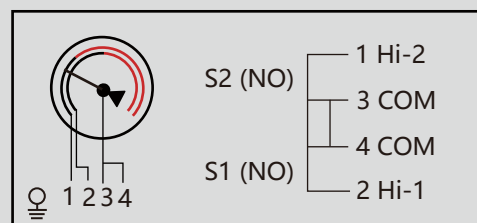
S1 contact makes and S2 contact breaks when the pointer reaches the set point.

3GG Double contacts N.C. (3-wire)



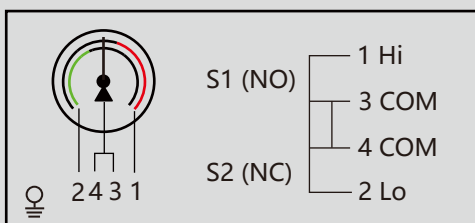
S1 and S2 contact break when the pointer reaches the set point.

4RR Double contacts N.O. (4-wire)



S1 and S2 contact make when the pointer reaches the set point.

4RG Double contacts N.O. + N.C. (4-wire)



S1 contact makes and S2 contact breaks when the pointer reaches the set point.

※ Note:

When the pressure is positive, the pointer is clockwise. If it is a vacuum (counterclockwise), the makes and the breaks are in opposite directions.

※ **Ordering information**

Model / Connection location / Scale range / Process connection / Contact type / Options

For any changes to the specifications of this catalogue, the latest version shall prevail.

SIN JIA ENTERPRISE COMPANY LIMITED

TEL: +886-2-2550-4512

FAX: +886-2-2550-4510

info@sinjiagauge.com

www.sj-gauge.com

No.3, Ln. 71, Chifeng St., Datong Dist., Taipei City 103, Taiwan



4ManPro

*Elements For
Manufacturing Processes*



4ManPro
Mexico Branch Office

Elements For Manufacturing Processes

MEXICO BRANCH OFFICE

Roberto Diaz No. 401
Ciudad Industrial
Aguascalientes, Ags.
México
20290

4ManPro@4ManPro.com
(449) 171 3420
www.4ManPro.com/SPA/



USA BRANCH OFFICE

Pennzoil Place
700 Milam
Suite 1300
Houston, Tx, USA
77002

4ManPro-USA@4ManPro.com
+1 (832) 871 5022
www.4ManPro.com/ENG/

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