

PRESURE 212/150RS



- For Gas delivery line (Inline process) -

NEW PRODUCT

ULTRA HIGH PURITY PRESSURE SWITCHIES

Relay output type available





[Features]

- Absolute pressure switch
- Relay output / Open collector output
- Small size of ϕ 38 mm, Gasket joint
- Dsub connector
- Switch output and analog output

[Application]

- Confirming atmospheric pressure in a vacuum chamber

[Basic specification]

- Rated pressure range: 750 Torr (14.5 psi) abs
- Material of wetted surface: SUS316L
- Fitting: Gasket joint (9/16-18UNF)
- Switch output: 1 (magnet relay or open collector)
- Analog output: 1~5 VDC, (0~5 VDC*, 0~10 VDC*)

*Please contact us separately.

- Supply voltage: 24 VDC ± 10%
- Standard: UL991 Equivalent*

(*Third-party certification test report)

NEW PRODUCT

HIGH PURITY ULTRA-MINIATURE PRESSURE SENSORS FOR INTEGRATED GAS SYSTEM

PA-9205/928



[Features]

- Ideal for gas integrated system
- I-shaped and T-shaped products available
- High purity by Integrally welded structure of sensing chip and fitting

[Application]

- For semiconductor gas integrated unit

[Basic specification]

Rated pressure range:

0~72.5 psi, 0~145 psi, -14.5~72.5 psi, -14.5~145 psi

- Material of wetted surface: SUS316L
- Fitting: Gasket joint (9/16-18UNF, male & female respectively), UJR (male & female respectively), W-seal 1.125 inch, C-seal 1.125 inch
- Analog output: 1~5 VDC or 4~20 mA (0~5 VDC*, 0~10 VDC*) *Please contact us separately.
- Supply voltage: 24 VDC ± 10%

HIGH PURITY PRESSURE SWITCHIES

P591

- Capable of sensing high vacuum pressure continuously
- Ideal for confirming atmospheric pressure in a load chamber and supplied air pressure by oil-less sensor module

[Basic specification]

- Rated pressure range: -14.5~1.45 psi
 Switch output: 2 (NPN/PNP)
- Material of wetted surface: SUS316L
- Fitting: Flange joint KF25 (NW25), Gasket joint (9/16-18 UNF)
- Supply voltage: 12~24VDC±10%
- Standard: UL standard, CE Marking

HIGH PURITY SMALL PRESSURE GAUGES

PG-35

- Capable of sensing high vacuum pressure continuously by oil-less sensor module
 Ideal for confirming atmospheric pressure in a load chamber and supplied air pressure

[Basic specification]

- Rated pressure range: -14.5~14.5 psi, 14.5~145 psi Switch output: 2 (NPN/PNP)
- Analog output: 1~5VDC, (0~5VDC*, 0~10VDC*) *Please contact us separately.
- Material of wetted surface: SUS316L Fitting: Flange joint KF25 (NW25), Gasket joint (9/16–18UNF)
- Standard: UL standard, CE Marking - Supply voltage: 12~24 VDC±10%

PRESSURE GAUGES FOR INTEGRATED GAS SYSTEM

- External diameter ϕ 20 mm. Easily installable fitting block Excellent visibility with 3·1/2 LED display
- Rotatable display part (90° step, 270° full travel)
- Wide combination of output types (switch, current or voltage) available
- Integrally welded structure of sensing chip and fitting block

[Basic specification]

- Rated pressure range: 0~72.5 psi, 0~145 psi, -14.5~72.5 psi, -14.5~145 psi

- Material of wetted surface: Double-melted SUS316L
 Fitting: W-seal/C-seal 1.125/1.5 inch
 Switch output: 2 or 1 with Analog output 1~5 VDC, (0~5 VDC*, 0~10 VDC*) *Please contact us separately.
 Supply voltage 12~24 VDC±10% - Standard: UL standard, UL991 Equivalent*(*Third-party certification test report), CE Marking



Pressure sensors with high reliability carry the future of semiconductor manufacturing equipment, medical care and other equipment.

- For High temperature -

NEW PRODUCT

HIGH TEMPERATURE FLUID PRESSURE SENSORS

up to 150°C







[Features]

- Absolute / gauge pressure sensor resistant to fluid with high temperature up to 150°C
- PCB-separable pressure sensor capable of sensing liquid with high temperature up to 150°C

[Basic specification]

- Rated pressure range: 0~-14.5 psi, 0~14.5 psi, -14.5 psi, -14.5 psi, -14.5 psi, 0~14.5 psi abs, 0~29 psi abs
- Analog output: 1~5VDC or Switch output: 1 (open collector or magnet relay) $(0\sim5\,\text{VDC*},\,0\sim10\,\text{VDC*})$ *Please contact us separately.
- Material of wetted surface: SUS316L and Nickel alloy
- Fitting: Gasket joint (9/16-18UNF)
- Supply voltage: 12~24 VDC ± 10% - Standard: UL standard

- High pressure for Hydrauric system -

NEW PRODUCT

OIL-LESS HIGH PRESSURE SENSORS WITH AMP

OIL-LESS HIGH PRESSURE SWITCHES





[Features]

- Compact and lightweight
- High accuracy with digital compensation circuit
- Easy connection with a removable connector
- IP67 (when water-proof connector attached)

[Basic specification]

- Rated pressure range: 0~145 psi, 0~290 psi, 0~507 psi, 0~725 psi, 0~1450 psi, 0~2900 psi, 0~5076 psi, 0~5801 psi, 0~7251 psi, 0~11603 psi
- Analog output: 1~5 VDC or 0~5 VDC or 0~10 VDC or 4~20 mA or 0.5~4.5 VDC
- Material of wetted surface: SUS630
- Fitting: PS1/4, PS3/8, PT1/4 (NPS1/4, NPS3/8, NPT1/4)
- Supply voltage: 9~36 VDC (Output 1~5 VDC or 0~5 VDC or 4~20 mA), 5 VDC (Output 0.5~4.5 VDC), 14~36 VDC (Output 0~10 VDC)
- Standard: UL standard, CE Marking

[Basic specification]

- Rated pressure range: 0~145 psi, 0~362 psi, 0~725 psi, 0~1450 psi, 0~2900 psi, 0~3625 psi, 0~5801 psi, 0~11603 psi
- Switch output: 1 NPN (DT04-3P), 2 NPN (M12×1)
- Material of wetted surface: SUS630
- Fitting: PS1/4, PT1/4 (NPS1/4, NPT1/4)
- Supply voltage: 9~36 VDC
- Standard: UL standard, CE Marking



COST-EFFECTIVE PRESSURE GAUGES

PG-75

[Features]

- High reliability by Integrally welded structure of sensing chip and fitting
- Excellent display properties with 7 segment LED, 2-color LED red & green, 3 1/2digit, ligths-out mode Ideal for confirming atmospheric pressure in a load chamber and supplied air pressure

[Basic specification]

- Rated pressure range: 0~14.5 psi, 0~145 psi, 0~507.6 psi, -14.5~14.5 psi, -14.5~145 psi, -14.5
- Rated pressure range: 0~14.5 pst, 0~507.6 pst, -14.5~14.5 ps

PA-838-D

- Capable of sensing differential pressure of liquid media
- Ideal for monitoring a strainer not to be clogged up

DIFFERENTIAL PRESSURE SENSORS

- E Basic specification

 Rated pressure range:
 0~1.45 psi, 0~7.25 psi, 0~14.5 psi

 Analog output: 4~20 mA, (0~5 VDC*, 0~10 VDC*)

 *Please contact us separately.

 ' -~ SUIS316L

- Supply voltage: 24VDC±10% Fitting: 2-NPT1/4 Female, 1/4 Flare fitting (7/16-20UNF)

PRESSURE SENSORS WITH THE CONNECTION HEAD

PA-840/848

[Features]

- High weather resistance thanks to the hard connection head - Two types of fitting

[Application]

 Industrial equipment, plant equipment, water treatment devices

[Basic specification 1

- Rated pressure range: -14.5~14.5 psi, -14.5~50.76 psi, 0~14.5 psi, 0~507.6 psi, 0~14.5 psi abs Analog output: 1~5 VDC or 4~20 mA, (0~5 VDC*, 0~10 VDC*) *Please contact us separately.
- Material of wetted surface: SUS304, SUS316L
- Supply voltage: 24 VDC ± 10%
- Fitting: PT1/4, PS1/4 (NPT1/4, NPS1/4) - Drip-proof structure: IP67

COST-EFFECTIVE PRESSURE SENSORS

PA-750/758

- High corrosion resistance and drip-proof structure
- Easy connection with a removable connector
- Temperature-compensating circuit integrated (0~50°C)

[Basic specification]

- | Basic specification |
 | Rated pressure range: 0~14.5 psi, 0~50.76 psi, 0~145 psi, 0~507.6 psi, 0~14.5 psi, -14.5~14.5 psi, -14.5~45.5 psi, 0~14.5 psi abs
 | Analog output: 1~5 VDC or 4~20 mA, (0~5 VDC*, 0~10 VDC*) **Please contact us separately.
- Material of wetted surface: SUS304, SUS316L
- Fitting: PT1/4, PT1/8 (NPT1/4, NPT1/8) Supply voltage: 10.8~30VDC Standard: UL standard, CE Marking
- Drip-proof structure: IP65 (in compliance with IEC)

ULTRA-MINIATURE PRESSURE SENSORS

- Suitable for installing inside the narrow space of the equipment by its small size and light weight - High reliability (SUS316L diaphragm, oil-filled)
- by using double diaphragm structure
- High accuracy by using a digital compensation circuit employing the COB (chip on board) mounting

[Basic specification 1

- Rated pressure range: 0~14.5 psi, 0~145 psi, -14.5~14.5 psi, 0~19.3 psi abs Material of wetted surface: SUS304, SUS316L
- Fitting: M5 Female screw, PT1/8 (NPT1/8)
- Analog output: $0.5 \sim 4.5$ VDC (Ratiometric) Outline dimensions: ϕ 17×18.7 mm (M5 type) - Supply voltage: 5 VDC ± 0.5 V
- Net weight: Approx. 19g (M5 type)

LIQUID LEAK SENSORS

NL10

[Features]

- Operable in various area by to unique
- optical technology
 Can detect leakage without a douser and additional amplifying circuit
 PFA casing available for detecting leakage
- of corrosive liquid
- Detecting method: Infrared ray reflection

[Basic specification]

- Switch output: 1 (NPN/PNP)
- Casing material: PP/PFA Material of wetted surface: SUS316L Supply voltage: 12~24VDC±10%
- Outline dimensions: φ25×10.6 mm
- Standard: UL standard, CE Marking

HANDHELD DIGITAL MANOMETERS

PG-100N/B

[Features 1

- Pocket-sized handheld manometer
- Compatible with gas and liquid
- Easy zero-point adjustment
- Auto power-off time selectable
- Display of pressure unit selectable (For oversea: kPa, mmHg, in., Hg, psi, bar, mmAq) - AAA dry battery 1.5 VDC × 2. Battery life 1,000 hours minimum

[Basic specification]

- Rated pressure range: -1.45~1.45 psi, -14.5~14.5 psi, -14.5~145 psi, 0~14.5 psi abs Fitting: M5 Female screw
- Accessories : Miniature fitting (ϕ 6mm, O.D), Tube fitting (ϕ 4mm, I.D)
- Supply voltage AAA dry battery 1.5 VDC × 2



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■ Specifications are subject to change without notece

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