2-Color Display Digital Pressure Switch

Stainless diaphragm
Oil-free (Single-layer diaphragm structure)

Sensor parts: Stainless steel 630
Fitting parts: Stainless steel 304

The sensor and fitting parts can be made to order with stainless steel 316L.

2-color display
Irregular value at a glance

3-step setting

Series ZSE80
- Easy color distinction by pressure range
- Standardized vacuum type
- Rated pressure range
- Proof pressure: 500 kPa
- Minimum unit setting: 0.1 kPa
- Repeatability: 0.2% F.S. 1 digit

Series ZSE80F
- Standardized from 0 to 2 MPa

Series ISE80
- 0.0 to –101.0 kPa
- –100.0 to 100.0 kPa
- –0.100 to 1.000 MPa
- 1 MPa
- 0.1 kPa
- 0.001 MPa
- 0.2% F.S. 1 digit

Series ISE80H
- –0.100 to 2.000 MPa
- 2 MPa
- Push
- Completed setting

Standardized from 0 to 2 MPa

RoHS compliant

Series ZSE80/ISE80
Leakage

$1 \times 10^{-10}$ Pa·m$^3$/s

(VCR®- and Swagelok®-fitting compliant)

$1 \times 10^{-5}$ Pa·m$^3$/s

(Threaded type (R, Rc, NPT, G))

- Sensor and fitting parts are electron-beam welded.
- Choice of VCR® or Swagelok® fitting is available.

Applicable Fluid

- Hydraulic fluid (JIS-K2213)
- Silicon oil (JIS-K2213)
- Lubricant (JIS-K6301)
- Fluorocarbon
- Argon
- Air-containing drainage
- Ammonia
- Freon
- Carbon dioxide
- Nitrogen

Panel mount

- Suitable for side-by-side mounting.
- Requires less installation space and panel cutting.

Bracket mount

- Output Specifications
  - 4 to 20 mA is now available.
  - NPN open collector 1 output
  - PNP open collector 1 output
  - NPN open collector 2 outputs
  - PNP open collector 2 outputs
  - NPN open collector 2 outputs + Analog output 1 to 5 V/Auto-shift switching
  - PNP open collector 2 outputs + Analog output 1 to 5 V/Auto-shift switching
  - NPN open collector 2 outputs + Analog output 4 to 20 mA/Auto-shift switching
  - PNP open collector 2 outputs + Analog output 4 to 20 mA/Auto-shift switching

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