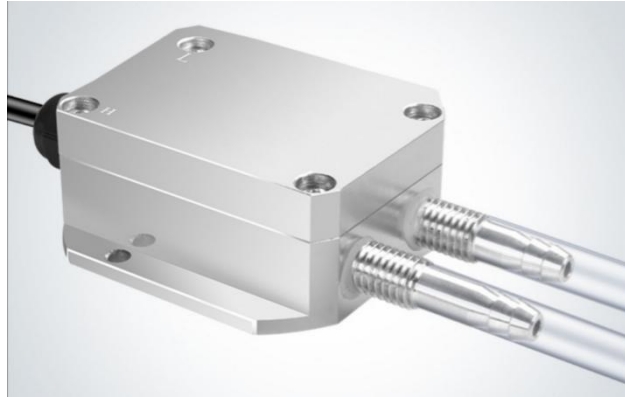


Model MC2070A Delicate Differential Pressure Transmitter



MC2070A Differential Pressure Transmitter is assembled by piezoresistive-silicon differential pressure sensor, and the housing is the aluminium alloy structure; the pressure connection is M10*1 thread & agnail structure, and can be directly installed on the measuring piping or connected through the press-leading tube; it is easy to install and use, and widely applies in the air supply for boiler, underground ventilation and other electricity and mining industries, as well as the process control field of automated pressure detection for the super clean workshop. It is suitable for differential pressure or pressure measuring for medical treatment, chemical fiber, electricity, dustless house and etc. The transmitter uses proprietary current output with wide temperature compensation and provides a stable zero regardless of the transducer environment.

FEATURES

Agnail connection, easy to install.

Measuring small differential pressure.

Firm and well-sealed aluminium alloy housing.

The zero point and full span of the product can be adjusted externally.

With the short circuit protection and reverse polarity protection.

Full range compensation for zero and sensitivity temperature.

Strong anti-interference capacity, stability performance.

SPECIFICATIONS

| | |
|---------------------|---|
| Pressure Media | Gas |
| Supply Voltage | 12 to 36V |
| Operating Range | (Differential/Gage/Negative Pressure):(-100KPa)-(-100Pa)-0~100Pa-300KPa |
| Accuracy | ±0.25%, ±0.5%(25°C) |
| Over Pressure | 200-300% full scale |
| Long Term Stability | <0.25%FS per year |
| Response | <100ms |
| Output Signal | (4~20)mA (2/3/4-wires) , (0~10/20) mA (0~5) V, (1~5) V, (0~10) V, etc. |

| | |
|-----------------------|---|
| Temperature Range | -20~85℃ |
| Temperature Effects | 0.015%FS/℃ |
| Pressure Connection | Agnail-shape connectors or user specified |
| Electrical Connection | Cable Type |
| Housing | Cast Aluminum |
| Protection Class | IP65 |

ORDERING CODES

| MC2070 | Differential Pressure Transmitter | |
|--------|-----------------------------------|--|
| - | Appearance Type | A: Normal (without display) AE: with LED display AC: with LCD display |
| - | Pressure range | e.g. 0-10bar or 0-1MPa etc. |
| -O | Signal Output | 1: 4-20 mA 2-wires 2: 4-20 mA 3-wires 3: 4-20 mA 4-wires 4: 0-5V 5: 0-10V 6: 1-5V 7: 1-10V 8: 0-10mA 9: 0-20mA 11: RS485 0: specified (Please Mention) |
| -I | Installment type | 1: Agnail(Ø8 OD) and M10*1 2: Agnail(Ø6 OD) and M10*1 4: customer specified |

With LED display:



With LCD display:



NOTES

When the range of the transmitter is $\leq 10\text{KPa}$, the installation position will have an impact on the zero output (Due to the different forces of atmospheric pressure at different positions) It is necessary to adjust the zero point output after the installation of the transmitter is completed.

When measuring clean gas, it can be installed arbitrarily; If there are some small impurities in the medium, it is recommended to point the two pagoda nozzles vertically towards the ground during installation to prevent pipeline blockage from affecting the pressure measurement of the transmitter.

DIMENSION

