

P064 Monocrystalline Differential Pressure Transmitter

Monocrystalline technology anti-electromagnetic interference
Easily deal with the harsh environmental of industry



New
 Highly Sensitive

| | | | | | |
|------------------|------------------------------|---------------------------------------|----------------------------------|----------------|--|
| 0.1 %F.S. | Differential Pressure | 0.1 bar 100 bar | 4 mA 20 mA | Liquid | SUS SUS 316 |
| Accuracy | Type | Range | Output | Media measured | Housing |

Introduction

P064 monocrystalline silicon differential pressure transmitter using the most advanced silicon pressure sensor technology, Have an advantage over many high-performance differential pressure transmitter, internal circuit is flexibility and has protection to withstand transient voltage. To ensure that **P064** monocrystalline silicon differential pressure transmitter can calmly deal with extreme chemical and mechanical loading, at the same time has a strong ability to resist electromagnetic interference, suitable for harsh environmental of industry

Feature

- Monosilicon technology
- Anti-electromagnetic interference
- Instantaneous voltage protection
- Metal housing, resistant to high pressure and high temperature
- Long-term stability
- High accuracy and fast response time
- CE certification

Applications

- Process control system, Environmental control
- Flow control, Hydraulic and Pneumatic equipment
- Petrochemical industry, Chemical industry
- Food and pharmaceutical industry

Specification

| | |
|--|--|
| Type | Differential pressure |
| Measuring range | 0.1 ... 100 bar |
| Output | 4 ... 20 mA (2-wire) |
| Accuracy | 0.1 %F.S. |
| Media measured | General liquid |
| Ambient temp. influences | |
| At -20 ... +80 °C Total influence in the range : ± (0.1 + 0.1 TD) % upper limit | |
| Power supply | 24 VDC |
| Working Temp. | -40 ... +85°C |
| Storage Temp. | -50 ... +125°C |
| Full load voltage | 60 ... 140 mV (0.03 bar : 50 ... 120 mV) |
| Zero-point Temp. influence | ± 0.05 %F.S./°C |
| Temp. hysteresis | <± 0.1 %F.S. (0.1 bar ≤ sensitive element range ≤ 0.1 bar) |
| Pressure hysteresis | <± 0.5 %F.S. (sensitive element range < 0.1 bar) |
| Long-term drift | <± 0.05 %F.S.; <± 0.05 %F.S./year |

| | |
|---|--|
| Nonlinear error | |
| <± 0.3 %F.S. (0.1 bar ≤ sensitive element range ≤ 0.1 bar) | |
| <± 1.3 %F.S. (sensitive element range < 0.1 bar) | |
| Static pressure effect | |
| <± 0.1 %F.S. /0.1 bar (0.1 bar ≤ sensitive element range ≤ 0.1 bar) | |
| <± 0.15 %F.S. /0.1 bar (sensitive element range ≤ 0.1 bar) | |
| Diaphragm material | SUS316L |
| Process connection | H-type structure, double flange, process connection female thread 1/4-18NPT, flange back with drain valve, SUS 316 |
| Electric connection | DIN 43650 |
| Outgoing | DIN ABS plug |
| Fixed seat | L204 x W98 x D32.5mm |
| Protection rating | IP65 |
| CE | |
| Permit range | PRESSURE TRANSMITTER |
| Standard | EN61000-6-2 : 2005 EN61000-6-4 : 2007 |

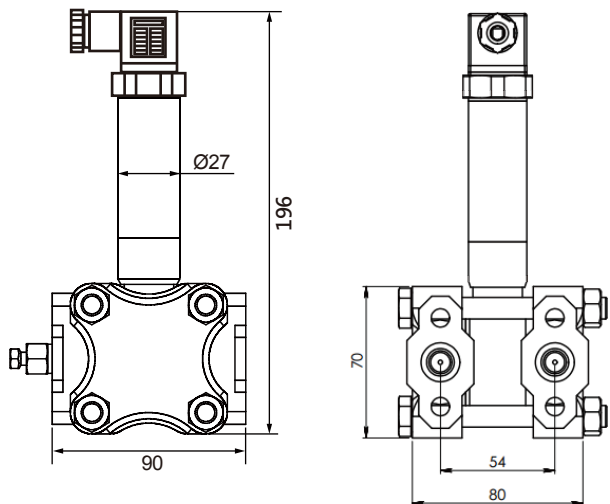
■ Measuring range and limit

| Nominal value | Static pressure limit | High pressure side overload limit | Low pressure side overload limit |
|---------------|-----------------------|-----------------------------------|----------------------------------|
| 0.4bar | 400bar | 250bar | 160bar |
| 25~100bar | 400bar | 250bar | 5bar |

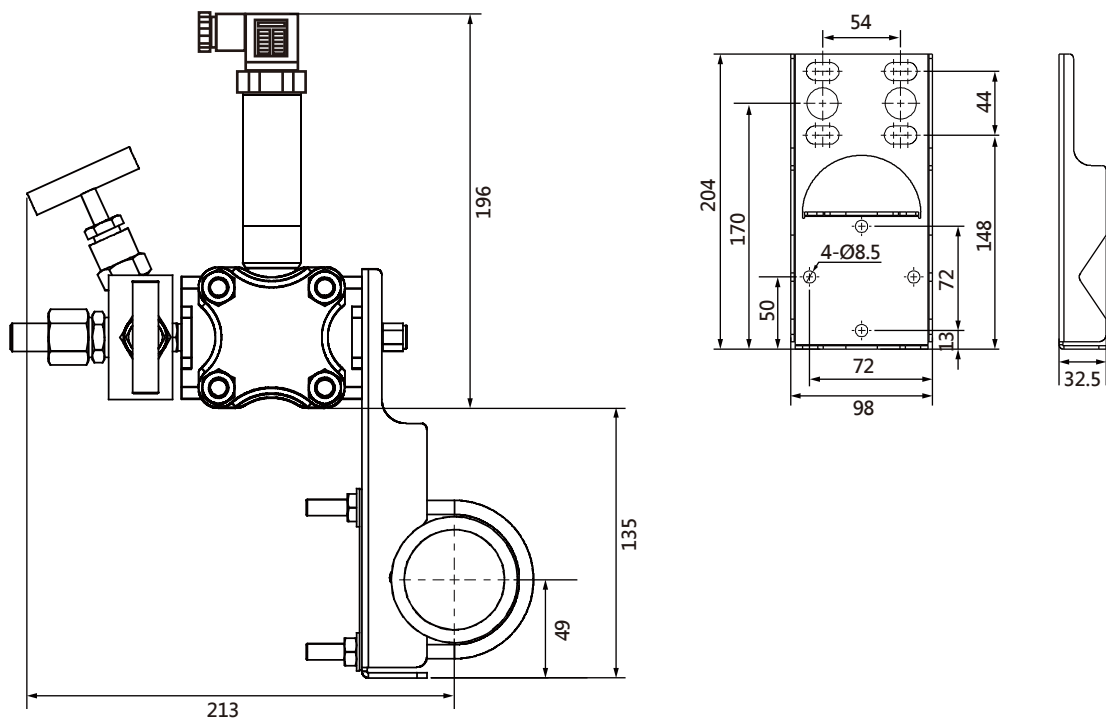
Ordering Guide

| Item | P064 | 02 | 1 |
|--------|----------------------|----|---|
| Range | 0.1 bar | 01 | |
| | 0.2 bar | 02 | |
| | 0.4 bar | 04 | |
| | 0.6 bar | 06 | |
| | 1.0 bar | 11 | |
| | 2.5 bar | 13 | |
| | 4.0 bar | 14 | |
| | 6.0 bar | 16 | |
| | 10 bar | 21 | |
| | 16 bar | 22 | |
| | 25 bar | 23 | |
| | 40 bar | 24 | |
| | 60 bar | 25 | |
| | 100 bar | 26 | |
| Output | 4 ... 20 mA (2-wire) | | 1 |

Dimension



Flat bracket for tubular device



Diagram

