



P063

# Differential Pressure Transmitter

Pressure-P063

[www.eyc-tech.com](http://www.eyc-tech.com)

## | Features |

- 316L stainless steel diaphragm structure
- Differential pressure measurement
- Easy to install
- Short circuit protection and reverse polarity protection
- Excellent shock resistance, vibration resistance and electromagnetic compatibility resistance
- Customization available

## | Introduction |

P063 Differential Pressure Transmitter is assembled using an piezoresistive silicon differential pressure sensor filled with oil. The shell is made of stainless steel and has strong corrosion resistance. The two pressure ports are threaded and can be mounted directly on the measuring pipe or connected through the pressure pipe.

P063 series have standard voltage/current output options, which can be easily installed and used. The products are widely used in the measurement and control of differential pressure, liquid level and flow in process control, aviation, aerospace, automotive, medical equipment, HVAC, etc.

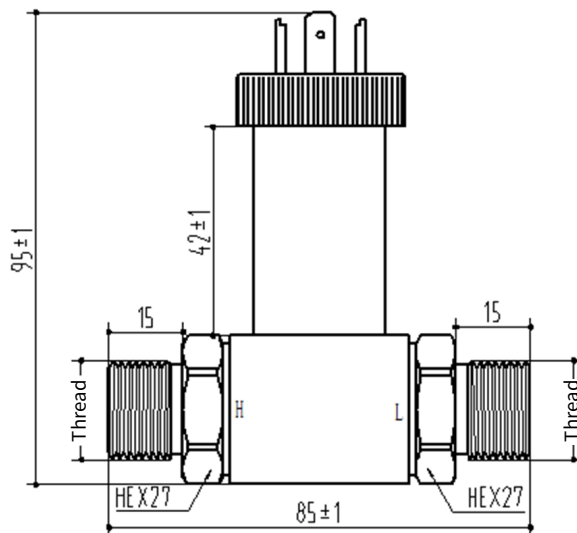
## | Applications |

Equipment support / Scientific experiment / Precision instrument / Water supply and drainage / Power plant differential pressure / Flow

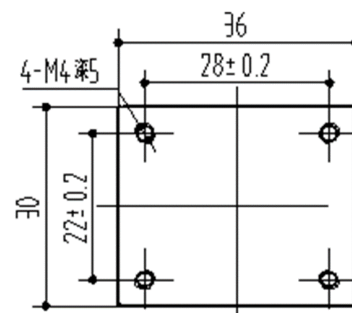
## | Specification |

|                       |                                                |
|-----------------------|------------------------------------------------|
| Pressure range        | 0 ... 16 bar                                   |
| Static pressure       | 10MPa(Max.)                                    |
| Pressure reference    | Differential pressure                          |
| Supply & output       | Supply : DC 16 ... 36 V ; Output : 4 ... 20 mA |
| Accuracy              | 0.5%FS(typ.)                                   |
| Temp. drift           | 1.5%FS(@-10°C ... 70°C)                        |
| Response time         | <2ms(Up to 90%FS)                              |
| Durability            | 10 <sup>6</sup> pressure cycles                |
| Ambient temp.         | -10°C ... 70°C                                 |
| Medium temp.          | -10°C ... 70°C                                 |
| Storage temp.         | -40°C ... 125°C                                |
| EMC-interference      | IEC 61000-6-3                                  |
| EMC-immunity          | IEC 61000-6-2                                  |
| Insulation resistance | 100 MΩ/DC 250 V                                |
| Shock resistance      | 10 g / 11ms                                    |
| Protection            | IP65                                           |
| Material              | SUS 304 ( Housing ) / SUS 316L ( Diaphragm )   |
| Max. mounting torque  | 25 Nm                                          |

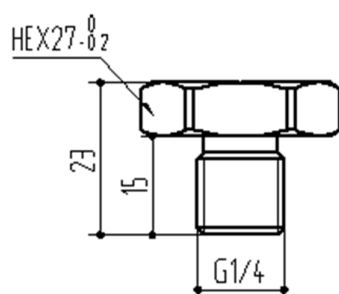
## | Dimension |



Structure & dimension



Bottom installation



Recommended torque : 15 ... 25 Nm

## | Ordering Guide |

|        | Pressure range                                                                                                                                       | Output          | Power supply       | Connect thread                                | Connector     |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------|-----------------------------------------------|---------------|
| P063 — | <b>21</b>                                                                                                                                            | <b>1</b>        | <b>0</b>           | <b>0</b>                                      | <b>1</b>      |
|        | 01 : 0.1 bar<br>02 : 0.2 bar<br>04 : 0.4 bar<br>06 : 0.6 bar<br>11 : 1 bar<br>13 : 2.5 bar<br>14 : 4 bar<br>16 : 6 bar<br>21 : 10 bar<br>22 : 16 bar | 1 : 4 ... 20 mA | 0 : DC 16 ... 36 V | 0 : G 1/4" Inside thread<br>W : Option thread | 1 : DIN 43650 |

## | Additional Option Test Report | For more detailed information please contact us.

### ■ ILAC / TAF

YUDEN-TECH CO.,LTD. Calibration Laboratory - ( ILAC / TAF ) Test report.

(TAF accreditation : 3032, complying with ISO / IEC 17025 ) TAF has mutual recognition arrangement with ILAC MRA

| Project              | Measurand level or range          |
|----------------------|-----------------------------------|
| Pressure transmitter | Gauge pressure : 10 ... 7000 kPa  |
|                      | Absolute pressure : 20 ...170 kPa |

### ■ ISO 9001

| Project  | Measurand level or range                                              |
|----------|-----------------------------------------------------------------------|
| Pressure | Relative pressure : $\leq 6000$ kPa                                   |
|          | Absolute pressure : $\leq 1000$ kPa                                   |
|          | Differential pressure : 0 ... 500 Pa / 0 ... 1000 Pa / 0 ... 10000 Pa |