

# Model DPC

## Differential Pressure Transmitter

### Description

DPC model is ideal for the application (such as HVAC) with differential pressure, vacuum pressure, gauge pressure and especially low pressure of non-corrosive gases or air measured. Analog output 4~20mA, 2wire.

### Features

- ▶ CE Certified
- ▶ 2Wire 4~20mA analog output
- ▶ Measuring range 0~300Pa ... 100kPa diff.
- ▶ 0.5%FS accuracy
- ▶ Piezoresistive silicon cell
- ▶ Use with non-corrosive, non-ionic media

### Applications

- ▶ Airflow Measurement
- ▶ Room Static Pressure
- ▶ VAV Box
- ▶ Lab/Fume Hood Control
- ▶ Clean Room Control

### Specifications



#### Range

0~300, 500Pa / 1, 2, 5, 10, 20, 50, 100kPa

#### Performance

Accuracy	±0.5%FS(RSS)
Thermal Effect on Zero	±0.08%FS/°C
Thermal Effect on Span	±0.08%FS/°C
Compensated Temperature Range	0 ~ 50°C
Operating Temperature Range	-10 ~ 70°C

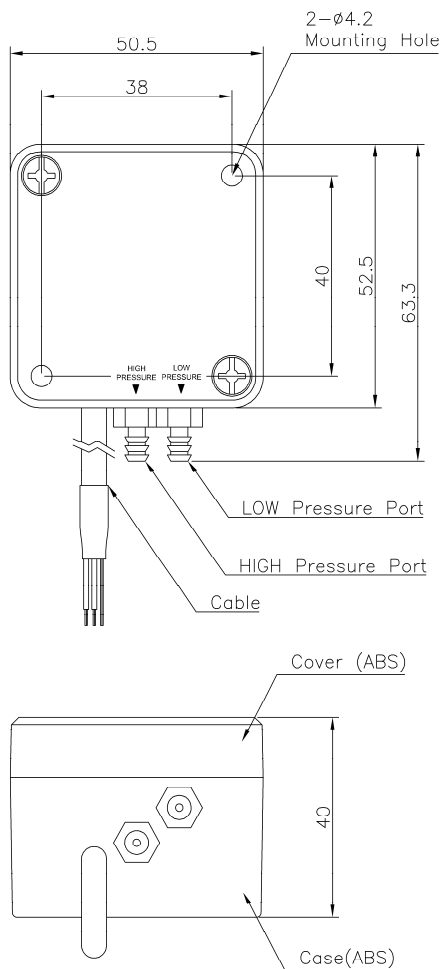
#### Electrical

Excitation	11 ~ 28VDC
Output	4~20mA (2Wire)
Electrical Connection	Cable

#### Physical

Proof Pressure	300%FS Max.
Burst Pressure	500%FS Min.
Vibration	49.1m/s <sup>2</sup> {5G}, 10~500Hz
Shock	490m/s <sup>2</sup> {50G}
Pressure Port	1/8" Nipple
Media-Wetted Materials	Brass(Ni plated), SiO <sub>2</sub> , Si Rubber
Weight	Approx. 100g

## Dimension



Wire Color	Connections
Red	Input ⊕
Shield	Earth
Blue	Output ⊕

## Ordering Information

<b>Model Name</b>	<b>DPCH 0500 A</b>	<b>Pressure Unit</b>
<b>Pressure Range</b>		A : Pa D : mmH <sub>2</sub> O K : kgf/cm <sup>2</sup> B : bar R : kPa C : cmH <sub>2</sub> O H : mmHg P : psi

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· Specifications are subject to change without notice.