

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

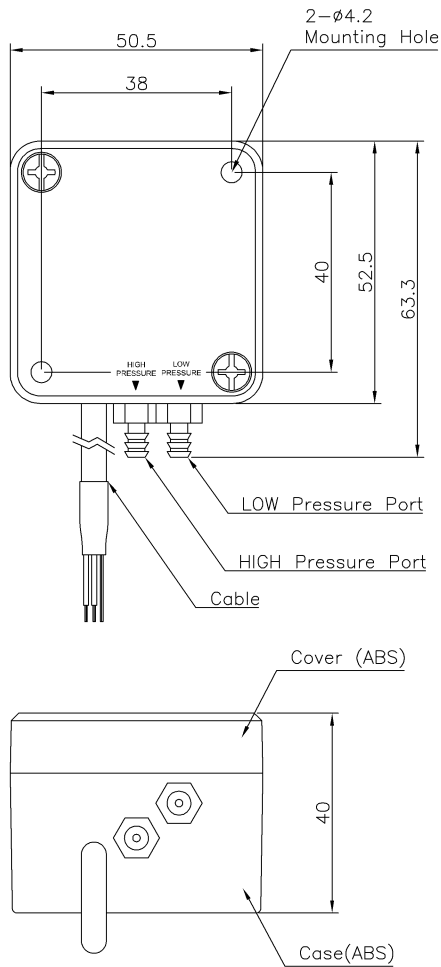
Electrical

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 ² {5G}, 10~500Hz
Shock	490m/s ² {50G}
Pressure Port	1/8" Nipple
Media-Wetted Materials	Brass(Ni plated), SiO ₂ , Si Rubber
Weight	Approx. 100g

Dimension



Wire Color	Connections
Red	Input ⊕
Shield	Earth
Blue	Output ⊕

Ordering Information

DPCH 0500 A

Model Name

Pressure Unit

Pressure Range

A : Pa
 R : kPa
 D : mmH₂O
 C : cmH₂O
 K : kgf/cm²
 H : mmHg
 B : bar
 P : psi

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· Specifications are subject to change without notice.