

Model DPU

Differential Ultra Low Pressure Transmitter with Local Indication

Description

DPU 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. Device for Ultra Low Pressure Transmitter, which is using MICOM, improved Accuracy and Temperature compensation. Analog output 4~20mA, 2wire and it provides LCD display.

Features

- ▶ 4 digit Bar Graph LCD display
- ▶ Pressure Unit selection(Pa, mmH₂O, mbar)
- ▶ % Display Mode
- ▶ Auto Zero
- ▶ 2Wire 4~20mA analog output
- ▶ Measuring range 0~50..1000Pa diff.
- ▶ 0.3..1%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

0~50, 100Pa	0~200, 300Pa	0~500, 1000Pa
±50, ±100Pa	±200, ±300Pa	±500, ±1000Pa

Performance

Accuracy	±1%FS ± 1digit	±0.5%FS ± 1digit	±0.3%FS ± 1digit
Thermal Effect on Zero	±0.1%FS/°C	±0.05%FS/°C	±0.03%FS/°C
Thermal Effect on Span	±0.1%FS/°C	±0.05%FS/°C	±0.03%FS/°C
Compensated Temperature Range	0 ~ 50°C		
Operating Temperature Range	-10 ~ 70°C		

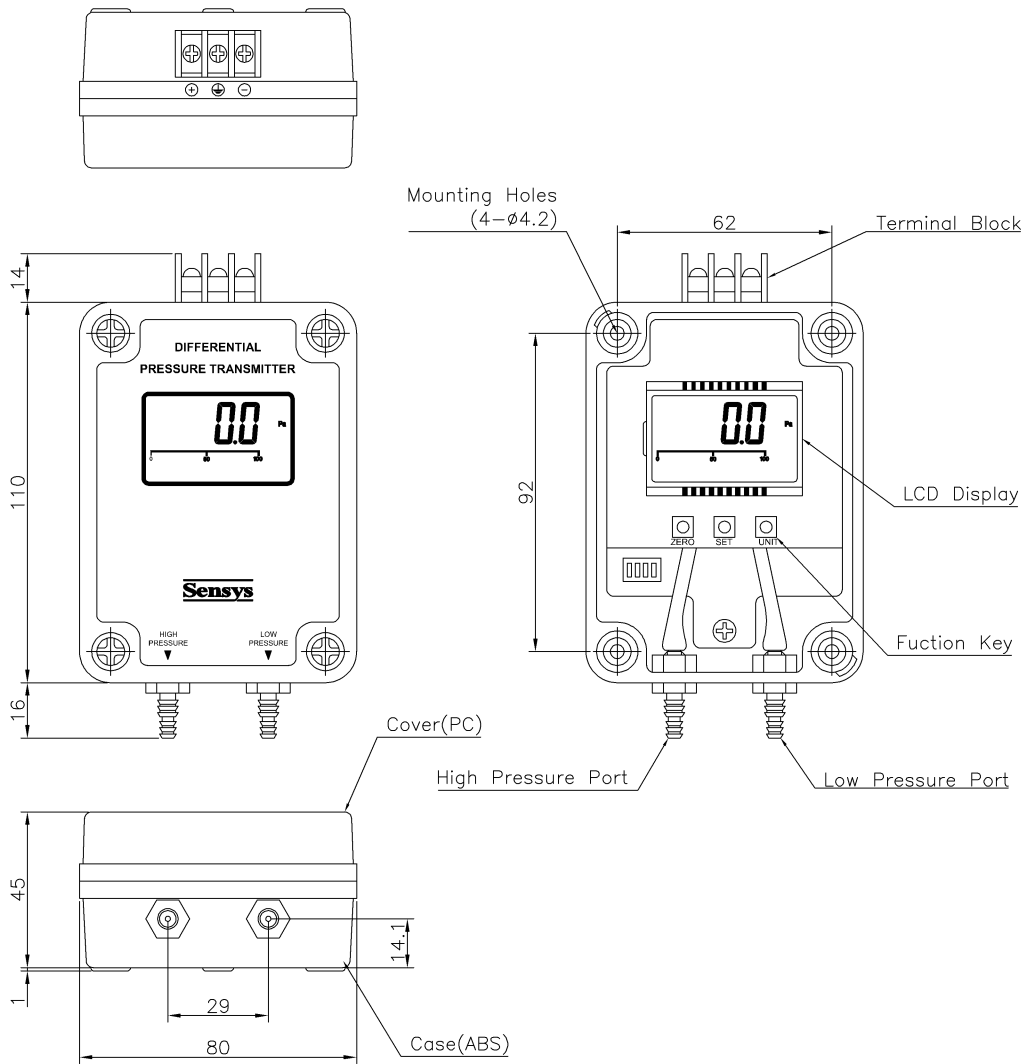
Electrical

Display	4 Digit Bar Graph LCD
Excitation	11 ~ 28VDC
Output	4~20mA (2Wire)
Electrical Connection	Terminal Block

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", 3/16" Nipple
Media-Wetted Materials	Brass(Ni plated), SiO ₂ , Si Rubber
Weight	Approx. 250g

Dimension



Pin No.	Connections
⊕	Input ⊕
⊕	Earth
⊖	Output ⊕

Ordering Information

Model Name	DPUH	0050	☐	Option
Pressure Range				
0050 : 0~50Pa	C0050 : -50~50Pa			
0100 : 0~100Pa	C0100 : -100~100Pa			
0200 : 0~200Pa	C0200 : -200~200Pa			
0300 : 0~300Pa	C0300 : -300~300Pa			
0500 : 0~500Pa	C0500 : -500~500Pa			
1000 : 0~1000Pa	C1000 : -1000~1000Pa			



SENSOR SYSTEM TECHNOLOGY CO., LTD.

ADD : RM5010, Ansan Digital Park, 1123 Singil-Dong,
Danwon-Gu, Ansan-Si, Gyeonggi-Do, Korea

TEL : 82-31-310-8910 ~ 9

FAX : 82-31-310-8920

http://www.sensys.co.kr

e-mail : master@sensys.co.kr

· Specifications are subject to change without notice.