

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

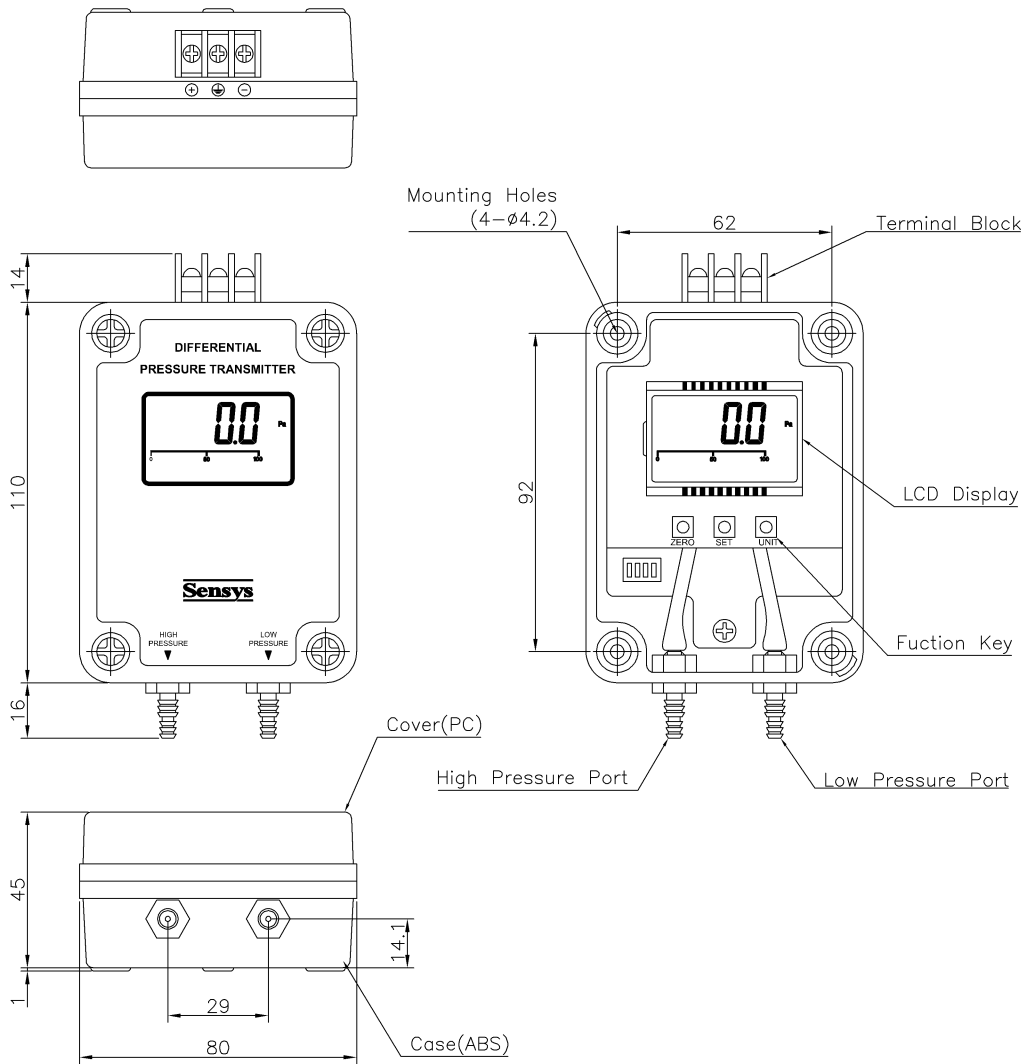
- ▶ Airflow Measurement
- ▶ Room Static Pressure
- ▶ VAV Box
- ▶ Lab/Fume Hood Control
- ▶ Clean Room Control



Specifications

Range			
	0~50, 100Pa ±50, ±100Pa	0~200, 300Pa ±200, ±300Pa	0~500, 1000Pa ±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	<input type="checkbox"/>	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		

Sensys SENSOR SYSTEM TECHNOLOGY CO., LTD.

ADD : Rm.5010, Ansan Digital Park, 81, Neungan-ro,
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.

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