

# 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, mmH<sub>2</sub>O, 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
Compenated Temperature Range		0 ~ 50°C	
Operating Temperature Range		-10 ~ 70°C	

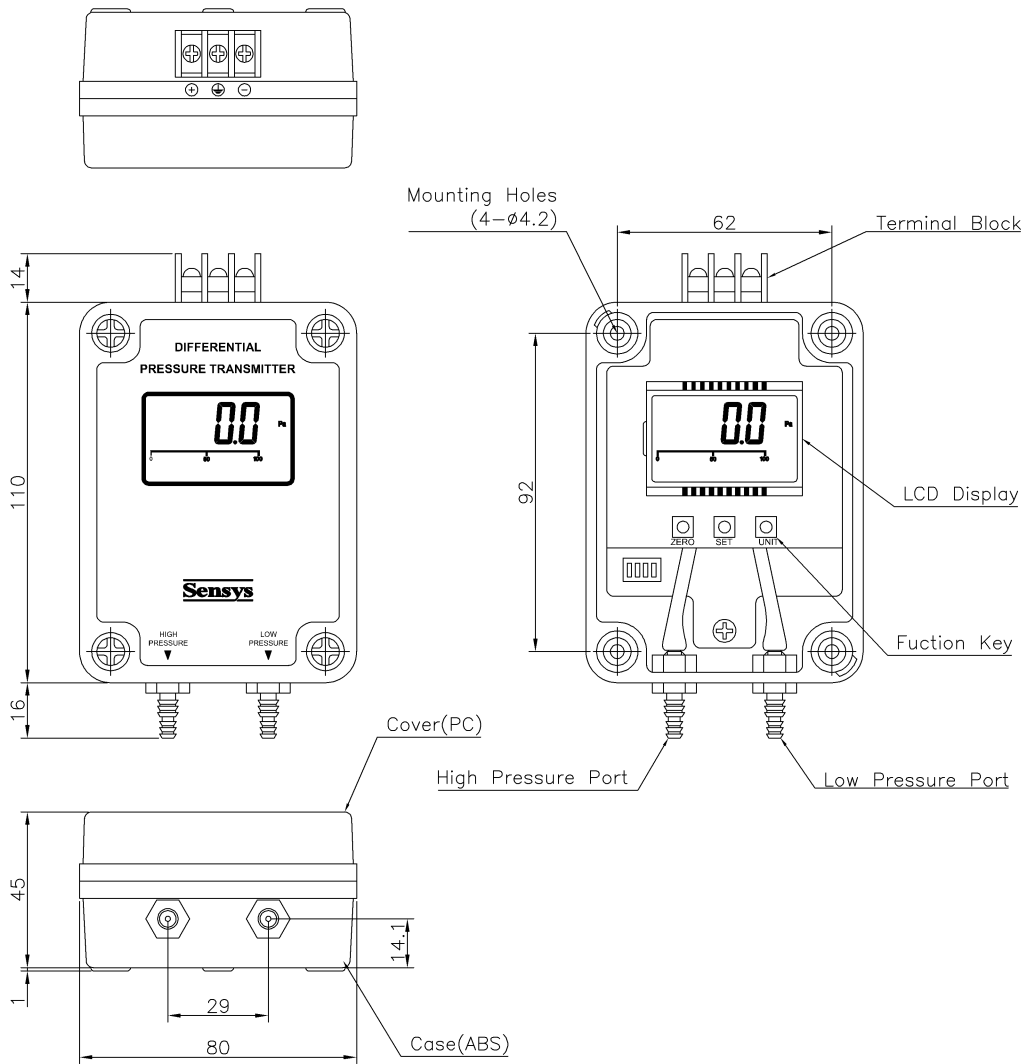
#### Electrical

Display	4 Digit Bar Graph LCD
Exitation	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 <sup>2</sup> {5G}, 10~500Hz
Shock	490m/s <sup>2</sup> {50G}
Pressure Port	1/8", 3/16" Nipple
Media-Wetted Materials	Brass(Ni plated), SiO <sub>2</sub> , 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		

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· Specifications are subject to change without notice.

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