

Differential Pressure Sensor DPS601



Application

Typical areas of use are:
 Process Control
 Differential pressure for deriving
 flowrated (volumetric or mass flow),
 level, mass or volume

Performance

- High accuracy
- Resistant high overload and high static pressure
- Extremely long term stability
- Minimum temperature and static pressure influence
- Perfect self-diagnosis function
- Compact model and lightweight
- Simple to mounting
- Smart technology

Technical data

Output		
Output signal		Capacitive signal
Zero		± 130pF 10%
Range		± 250pF 10%
Long term stability		<0.1...0.2%/Year
Others		
Process temperature range		-40 ...104°C
Seal		Φ 31.47X1.78mm
Weight		820g
Input		
Measuring ranges		
Code	Nominal pressure	Max. Permissible Overload
3S	±7.5KPa	13MPa
4S	±40KPa	13MPa
5S	±200KPa	13MPa
6S	±700KPa	13MPa
7S	±2100KPa	13MPa
8S	±7000KPa	125% of range
9S	±20MPa	125% of range
0S		115% of range

±42MPa

Option

1. Preamplifier SE62-TG

This preamplifier can help converting the DPS601 weak sensor capacitive signal into voltage signal

Supply voltage: 5VDC

Zero: $0 \pm 100\text{mV}$

Range: $500 \pm 100\text{mV}$

2. HART transmitter Module SE62HS & Preamplifier SE62-TG

HART Transmitter Module can convert voltage signal into a 4 to 20mA output current

Supply voltage: 9-45 VDC

Output signal: 4 to 20mA with superimposed communication signal

for HART protocol

Galvanic isolation: 2 kV AC

Learn more information, please visit our websit :www.sen-tec.com