

# SN1121

## Differential Pressure Sensor

**ebmpapst**

engineering a better life



The differential pressure sensor uses a high-quality mass flow module to convert the movement of clean air and non-aggressive gases into a 0-10VDC pressure signal. The differential pressure sensor also features a wide power supply range with reverse polarity protection, zero offset, full calibration and temperature compensation (-10°C to +60°C) and has factory calibration for Air and N<sub>2</sub>.

Part Number	Supply Voltage (nominal) VDC	Ambient Temperature °C	Max Current mA	Width mm	Length mm	Height mm	Weight g	Length of Cable (nominal) m	Internal Diameter of Compatible Air Hose mm
SN1121-AXXXX	9.5V - 57V	-10 to +60	10	89	90.2	28	100	1	3.18 - 3.8

The 0-10VDC signal output is proportional to the pressure difference with respect to the pressure range. For example, a differential pressure of 500Pa measured on a 0-1000Pa sensor gives a 5VDC output but the same differential pressure measured on a 0-2000Pa sensor gives a 2.5VDC output.

Part Number	SN1121-A1000	SN1121-A2000	SN1121-A3500
Pressure Range	0-1000Pa	0-2000Pa	0-3500Pa

**\*Maximum Load:**  
 100KΩ (100uA) when supply voltage < 12Vdc  
 5kΩ (2mA) when supply voltage ≥ 12Vdc

