

SN1121

Differential pressure sensor

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Front facing SN1121 differential pressure sensor

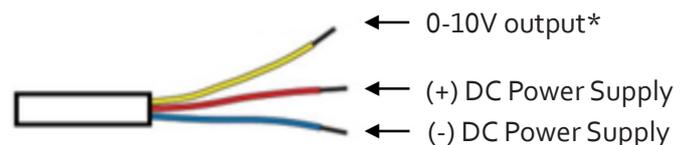
The differential pressure sensor uses a high-quality mass flow module to convert the movement of clean air and non-aggressive gases into a 0-10VDC pressure signal. The differential pressure sensor also features a wide power supply range with reverse polarity protection, zero offset, full calibration and temperature compensation (-10°C to +60°C) and has factory calibration for air and N₂. Supplied with two 0.5m air hoses fitted.

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	Supply voltage (nominal) V	Ambient temperature °C	Max current mA	Width mm	Length mm	Height mm	Weight g	Length of cable (nominal) m	Ingress protection rating IP
SN1121-AXXXX	9.5-57	-20 to 60	10	89	90.2	28	100	1	54

Part Number	SN1121-A100	SN1121-A2000	SN1121-A3500
Pressure range	0-1000Pa	0-2000Pa	0-3500Pa

SN121-AXXXX



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