

# SN1120

## Differential pressure sensor

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Front facing SN1120 differential pressure sensor

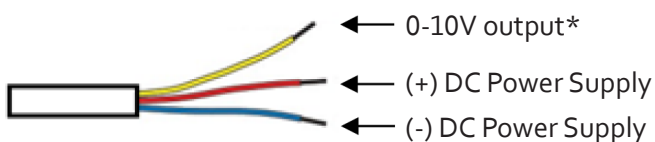
The differential pressure sensor uses a high-quality mass flow module to convert the movement of clean air and non-aggressive gases into a 0-10VDC output signal or into a digital format available via a 2-wire I<sup>2</sup>C interface. The differential pressure sensor also features a wide power supply range with reverse polarity protection, no offset and no zero-point drift, hysteresis free, full calibration and temperature compensation (-20°C to +80°C) for air and N<sub>2</sub>. Supplied with two 0.5m air hoses fitted.

The 0-10VDC signal output of the analogue sensors is proportional to the pressure difference with respect to the sensor's pressure range. For example, a differential pressure of 100Pa measured on a 0-500Pa sensor gives a 2V output, but the same differential pressure measured on a 0-200Pa sensor gives a 5V 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
SN1120-A500	9.5-57	-20 to +80	10	43.2	90.2	69.4	86	1	54

Part Number	SN1120-A050	SN1120-A100	SN1120-A200	SN1120-A500
Pressure range	0-50Pa	0-100Pa	0-200Pa	0-500Pa
Sensor type	Analogue	Analogue	Analogue	Analogue

SN1120-A500



\*Maximum load values apply - see specification above.