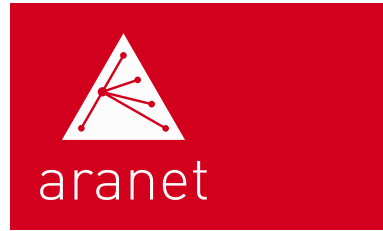
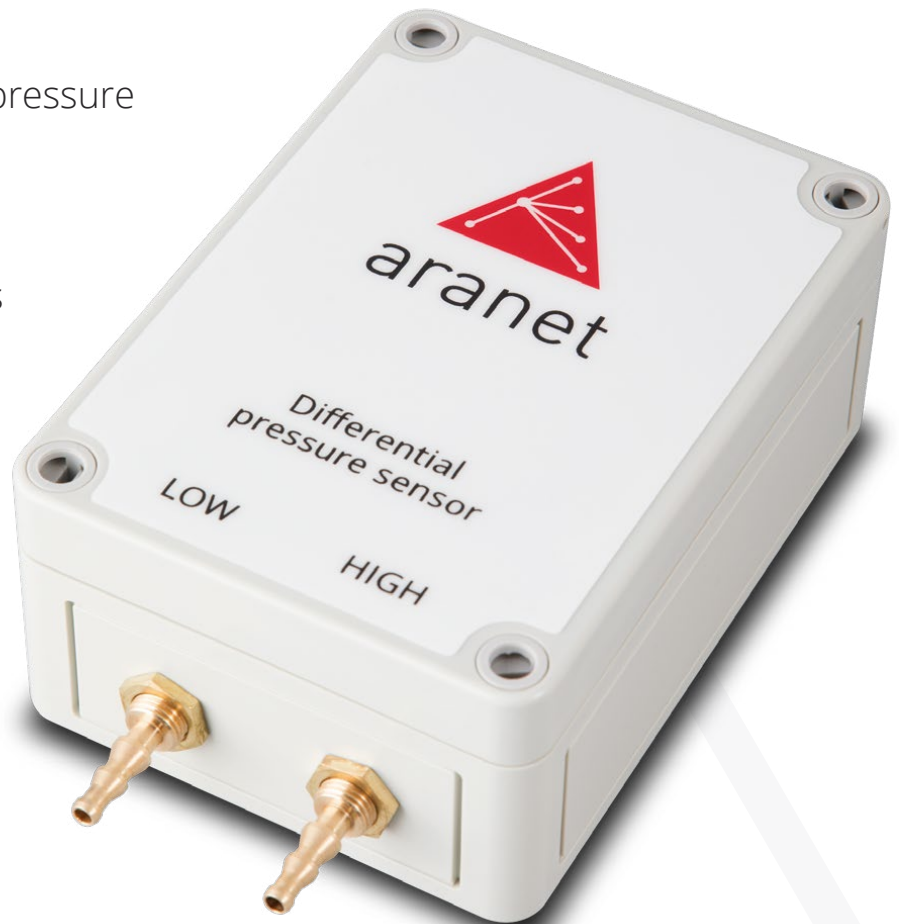




DIFFERENTIAL PRESSURE SENSOR



- ① Measures air pressure
- ② IP65 casing
- ③ Up to 12 years battery life



Used in HVAC, building automation, clean rooms, pharmaceutical industry and laboratories. Applications include clogged air filter detection, stairwell pressurization, measuring the airflow and pressure through a system.

Sensor performance

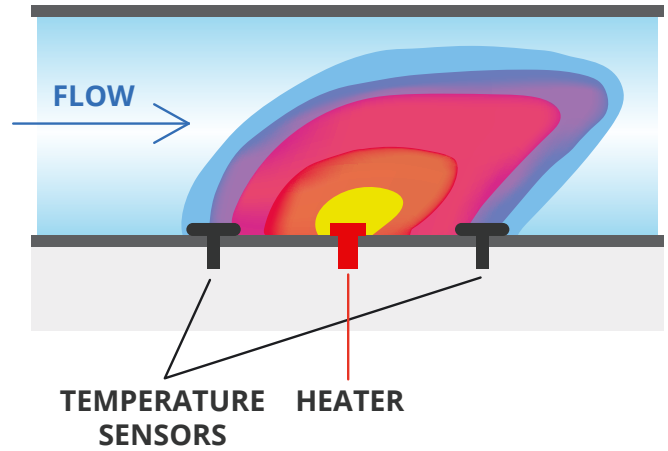
Resolution	0.02 Pa
Repeatability	< 0.5 % of reading
Measurement shift due to temperature	< 0.5 % of reading per 10 °C (50 °F)
Minimum detectable pressure	0.02 Pa
Accuracy	3 % of reading
Temperature compensation range	-20 °C to +60 °C (-4 °F to 140 °F)
Calibrated for	Air, N ₂
Gas compatibility	Air, N ₂ , O ₂

Radio parameters

Line of sight range	3 km / 1.9 mi
Supported ISM bands	EU868, NA915
Transmitter power	14 dBm
Data transmission (TX) interval	1, 2, 5 or 10 minutes ¹
Data protection	XXTEA encryption
Compatible base stations	Aranet PRO

General

Ingress Protection code	IP65
Maximum operating temperature range	-40 °C to 60 °C (-40 °F to 140 °F)
Dimensions	154 x 94 x 43 mm (6.1 x 3.7 x 1.7 in)
Weight ²	250 g (9 oz)
Enclosure material	PS plastic
Included in the box	2 AA Alkaline batteries



Power	2 AA batteries	
Type	Alkaline ³	Lithium ⁴
Operating temperature	-20 °C to 55 °C (-4 °F to 131 °F)	-40 °C to 60 °C (-40 °F to 140 °F)
TX interval	Battery life @ 20 °C (68 °F)	
1 minute	3.9 years	5.4 years
2 minutes	6.8 years	9.8 years
5 minutes	10 years	12 years
10 minutes	10 years	12 years

Compliance	
CE	Conformité Européenne
IC	Innovation, Science and Economic Development Canada
FCC	Federal Communications Commission (USA)

¹ Due to regulatory requirements 1 minute interval in Russia is not available.

² Weight with Alkaline AA Fujitsu LR6G07 Premium batteries.

³ AA Fujitsu LR6G07 Premium batteries used for tests and calculations.

⁴ AA Energizer L91 Ultimate Lithium batteries used for tests and calculations.

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