



# Aranet CO sensor



aranet



- 1 Measures carbon monoxide concentration
- 2 IP67 casing
- 3 Up to 3 km / 1.9 mi range
- 4 Up to 9.8 years of battery life

CO is a colorless, odorless, tasteless and highly toxic gas produced by burning gasoline, wood, propane, charcoal or other fuel. The wireless and battery-powered sensor warns you as soon as CO levels begin to rise.

## Aranet CO sensor

Measures carbon monoxide concentration in the air.

TDSPG001 (EU)

TDSPG0U1 (NA)

TDSPG0R1 (RU)

### Sensor performance

Range	0 - 500 ppm
Maximum overload	1000 ppm
Resolution	0.25 ppm
Accuracy <sup>1</sup>	40 % of reading
Operating humidity range	15 - 90 % RH
Operating pressure range	800 - 1200 mbar
Maximum long-term drift	10 % / year

### Radio parameters

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

### General

Ingress Protection code	IP67
Maximum operating temperature range	-30 °C to 50 °C (-22 °F to 122 °F)
Dimensions	Ø 43 x 147 mm (Ø 1.7 x 5.8 in)
Weight <sup>3</sup>	93 g (3.3 oz)
Enclosure material	ASA plastic
Included in the box	1 AA alkaline battery, polyester string

### Power 1 AA battery

Type	Alkaline <sup>4</sup>	Lithium <sup>5</sup>
Operating temperature	-20 °C to 50 °C (-4 °F to 122 °F)	-30 °C to 50 °C (-22 °F to 122 °F)
TX interval	Battery lifetime at 20 °C (68 °F) <sup>6</sup>	
1 minute	1.0 years	1.3 years
2 minutes	1.8 years	2.4 years
5 minutes	4.0 years	5.6 years
10 minutes	6.7 years	9.8 years

### Compliance

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

<sup>1</sup> Accuracy is provided at temperature +20 °C, relative humidity 50 % and absolute pressure 1013 mbar.

<sup>2</sup> Due to regulatory requirements 1 minute data transmission interval is not available in Russia.

<sup>3</sup> Weight with alkaline AA Fujitsu LR6G07 Premium battery.

<sup>4</sup> AA Fujitsu LR6G07 Premium battery used for tests and calculations.

<sup>5</sup> AA Energizer L91 Ultimate Lithium battery used for tests and calculations.

<sup>6</sup> Battery lifetime data has been obtained by mathematical extrapolation and is provided for descriptive purposes only and is not intended to make or imply any guarantee or warranty.