Aranet CO_2 SENSOR

Measurements	CO_2 (carbon dioxide)	
Line-of-sight range	3 km/ 1.9mi	
Operating environment	Indoor use	
Transmitter power	14 dBm	
Frequency	Depends on gateway instructions	
Measurement range	CO_2	0-9999 ppm
CO_2 measurement accuracy	+/- 50 ppm or 3% of reading	
Data transmission	Every 10 minutes	
Data protection	Data encryption	
Power options	2 AAA Alkaline batteries (Zn/Mn02)	
	2 AAA Lithium batteries (Li/FeS2)	
Battery life @20°C / 68°F	Up to 2 years with Alkaline batteries	
	Up to 2 years with Lithium batteries	
Operating temperature	0°C to 50°C / 32°F to 122°F	
Operating humidity	0% to 100% non-condensing*	
Dimensions	115x44x25 mm/ 4.5x1.7x1 in	
Weight	67g /2.4oz with Alkaline batteries	
	59g/ 2oz with Lithium batteries	
Construction	ASA Plastic	
Protection class	IP40	
CE marking	Yes	
Included	2 AAA Alkaline batteries, string	

* Recommended humidity operating range is 20% to 60% .RH (non-condensing) over 10 °C to 40 °C/ 50°F to 104°F. Prolonged operation beyond these ranges may result in a shift of sensor reading, with slow recovery time.

Sensor employs auto-calibration and therefore needs to be exposed to fresh air (around 400ppm CO2, i.e. outside air or an unoccupied room) at least once a week for a period of at least 20 minutes to avoid measurement drift.

Aranet CO₂ SENSOR Datasheet