

Aranet CO₂ SENSOR Datasheet



Aranet CO₂ 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/MnO ₂)	
	2 AAA Lithium batteries (Li/FeS ₂)	
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.

Terms of use The Customer is obliged to guarantee the usage, maintenance and preservation of the Equipment at their own expense in a way that excludes the Equipment's theft, loss, destruction, harming and/or damaging (including as a result of mechanical damages, moisture, liquid related damages, lightning and/or other similar events).