



# Aranet SENSOR Datasheet

## Aranet T/RH SENSOR

Measurements	Temperature	
	Relative Humidity	
Line of Sight Range	3 km/ 1.9mi	
Operating environment	Indoor and Outdoor use	
Transmitter power	14 dBm	
Frequency	Depends on gateway instructions	
Measurement range	Temperature	-40°C to 60°C/ -40°F to 140 °F
	Relative Humidity	0% to 100%
Temperature measurement accuracy	-10°C to 60°C/ 14°F to 140°F	0.4°C / 0.72°F
	-20°C to -10°C/ -4°F to 14°F	0.6°C / 1.08°F
	-40°C to -20°C/ -40°F to 14°F	0.9°C/ 1.62°F
Relative Humidity measurement accuracy	0 to 80% @ 30°C/ 86 °F	4%
	80% to 95% @ 30°C/ 86°F	6%
Data Transmission	Every 10 minutes	
Data Protection	Data encryption	
Power options	2 AAA Alkaline batteries (Zn/MnO2)	
	2 AAA Lithium batteries (Li/FeS2)	
Battery life @20°C / 68°F	Up to 7 years with Alkaline batteries	
	Up to 10 years with Lithium batteries	
Operating temperature	-20°C to 55°C / -4°F to 131°F with Alkaline batteries	
	-40°C to 60°C / -40°F to 140°F with Lithium batteries	
Operating humidity	0% to 100% non-condensing*	
Dimensions	115x44x25 mm / 4.5x1.7x1 in	
Weight	65g / 2.3 oz with Alkaline batteries	
	57g / 2 oz with Lithium batteries	
Construction	ASA Plastic	
Protection class	IP42	
CE Marking	Yes	
Included	2 AAA Alkaline batteries, string	

\* Recommended humidity operating range is 20% to 80% .RH (non-condensing) over -10 °C to 60 °C/ 50°F to 140°F. Prolonged operation beyond these ranges may result in a shift of sensor reading, with slow recovery time.

**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). Sensors are made to be placed vertically (with the ventilation opening facing down) thus being resistive to humidity.