

# Aranet Weight sensor



- 1 Measures weight changes
- 2 High measurement accuracy
- 3 Up to 7 years of battery life
- 4 IP67 casing
- 5 Data transmission every 1, 2, 5, 10 minutes



Allows close monitoring of plant growth and development, therefore allowing for more precise optimization of plant environmental conditions.

## Aranet Weight sensor datasheet

Measurements	Weight		
Line of Sight Range	3 km / 1.9 mi		
Operating environment	Indoor and Outdoor use		
Transmitter power	14 dBm		
Frequency	Depends on base station instructions		
Measurement range	0 - 50 kg	0 - 100 kg *	
Measurement accuracy	± 0.02% FS (C3 Class Load Cell)		
Measurement resolution	1g		
Safe overload	150%		
Ultimate overload	300%		
Data Transmission	1, 2, 5, 10 minutes		
Data Protection	Data encryption		
Power options	1 AA Alkaline battery (Zn/MnO <sub>2</sub> ) 1 AA Lithium battery (Li/FeS <sub>2</sub> )		
Battery life @20 °C / 68 °F	Up to 5 years with Alkaline battery Up to 7 years with Lithium battery		
Operating temperature	-20 °C to 55 °C / -4 °F to 131 °F with Alkaline battery -40 °C to 60 °C / -40 °F to 140 °F with Lithium battery		
Operating humidity	0% to 100%		
Dimensions	Sensor body	35 mmØ x 120 mm (1.4"Ø x 4.7")	35 mmØ x 120 mm (1.4"Ø x 4.7")
	Load Cell w hooks	51 mm x 150 mm x 15 mm (2.0" x 5.9" x 0.6")	51 mm x 167 mm x 21 mm (2.0" x 6.6" x 0.8")
Weight	w Alkaline battery	424 g (15.0 oz)	595 g (21.0 oz)
	w Lithium battery	416 g (14.7 oz)	587 g (20.7oz)
Construction	ASA Plastic (Sensor body), Alloy steel (Load Cell)		
Protection class	IP67		
Marking	CE, FCC		
Compatible base stations	Aranet PRO (from v1.4.0)		
Cable length	0.2 m (0.65 ft)		
Included	1 AA Alkaline battery, string		
Part number	EU	TDSPSV02.050	TDSPSV02.100
	NA	TDSPSVU2.050	TDSPSVU2.100
	RU	TDSPSVR2.050	TDSPSVR2.100

\* Other weight options available on request