

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 ₂) 1 AA Lithium battery (Li/FeS ₂)		
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



Tlf: 67 150 250 Faks: 67 150 251
Mail: post@instrumentteam.no
Web: www.instrumentteam.no