

# WEIGHT SENSOR



aranet



- 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

## Weight sensor Datasheet

Measurements	Weight		
Line of Sight Range	3km / 1.9mi		
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	35mmØ x 120mm (1.4"Ø x 4.7")	35mmØ x 120mm (1.4"Ø x 4.7")
	Load Cell w hooks	51mm x 150mm x 15mm (2.0" x 5.9" x 0.6")	51mm x 167mm x 21mm (2.0" x 6.6" x 0.8")
Weight	w Alkaline battery	424g (15.0oz)	595g (21.0oz)
	w Lithium battery	416g (14.7oz)	587g (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	0.2m (0.65ft)		
Included	1 AA Alkaline battery, string		
Part number	EU	TDSPSV01.050	TDSPSV01.100
	NA	TDSPSVU1.050	TDSPSVU1.100
	RU	TDSPSVR1.050	TDSPSVR1.100

\* Other weight options available on request