WEIGHT SENSOR

aranet

50kg

1. measures weight changes

2. high measurement accuracy

3. up to 10 year 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/Mn0$_2$) 1 AA Lithium battery (Li/FeS$_2$)
Battery life @20°C / 68°F	Up to 7 years with Alkaline battery Up to 10 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	35mmØ x 120mm / 1.4"Ø x 4.7" Sensor body 51mm x 150mm x 15mm (2.0" x 5.9" x 0.6") 50 kg Load Cell w hooks 51mm x 167mm x 21mm (2.0" x 6.6" x 0.8") 100 kg Load Cell w hooks
Weight	424g (15.0oz) w 50 kg Load Cell w Alkaline battery 416g (14.7oz) w 50 kg Load Cell w Lithium battery 595g (21.0oz) w 100 kg Load Cell w Alkaline battery 587g (20.7oz) w 100 kg Load Cell w Lithium battery
Construction	ASA Plastic (Sensor body), Alloy steel (Load Cell)
Protection class	IP67
Marking	CE, FCC
Compatible base stations	Aranet PRO (from sw v1.4)
Cable length	0.2m (0.65ft)
Included	1 AA Alkaline battery, string

* Other weight options available on request