



1. Rain Water Sensor Model No RWS 001

Slno	Parameter	Specification	Sensing Range/ Remarks
1	Measurement elements	Rain Water	in inches and mm
2	Measurement component & Measurement range	Rain gauge sensor and a data logger	0-700 mm/hr
3	Resolution		0.25mm
4	Accuracy		±4% over Full Scale
5	Connectivity	<ul style="list-style-type: none"> GSM(3G) Wireless backhaul to Cloud. Third party access for Curated /Computed data 	
6	Software and Data backup	Data Buffer Capacity up to 1 years	
7	Data Capture Frequency	Every 30 seconds	
8	Enclosure	Cylindrical Design to measure Rain Water	
9	Stabilization Time	Stabilization Time on power outages < 10 minutes	
10	Housing Design	Universal Housing which can be mounted on Roof top/ground	Ruggedized enough to be deployed in open air areas on streets and parks.
11	Products origin and certification	<ul style="list-style-type: none"> Product is Made in India Communications modules are FCC, PTCRB compliant All major components of 	



		sensors are CE certified	
12	Operating Range		- 10°C to 70 °C
13	Software Solution	<ul style="list-style-type: none"> ● Solution to enable APIs for mobile apps ,Web services LED Display boards & Variable Display Boards ● APIs to provide <ul style="list-style-type: none"> ○ Status of Devices ○ Rain Water measured 	
14	Support System	<ul style="list-style-type: none"> ● Alerts for outages ● Alerts for Device working on Battery/Mains ● Alerts for Rain water crossing the breakpoint level ● Remote configuration of Sensor 	
15	Element Management System	<ul style="list-style-type: none"> ● Device Listing & Details ● Device Availability ● Device Polling status ● Device Outage status ● API Usage Report ● Control on Email alerts for device downtime ● Weekly & Monthly trends ● Historical data 	
16	Data Analytics	Analysis of Rain water data	
17	Data Collection		Data from Sensors sent to PAQS cloud located in India and available as secure REST APIs for IOT platforms/other applications.
18	Battery	Li-Ion Battery Backup of 8 hours	



Figure 1: Installed Rainwater Sensor