

EMBEDDING INTELLIGENCE

FountLab Solutions Pvt. Ltd.
Hinjedwadi, Pune (MH), India



ABOUT FOUNTLAB SOLUTIONS PVT. LTD.

FountLab is customer-centric, technology-driven and process-oriented company. We solve industry-specific problems by combining IoT technology, data science, and subject matter expertise.

We are a mature eclectic group of people who share a magical vision of the future, working towards bridging the technological gap in the current practices by developing innovative products and solutions.

Our mission at FountLab Solutions Pvt. Ltd. is to empower businesses to make informed decisions about their energy, water, and air quality by providing custom solutions and automation. We are dedicated to creating socially responsible buildings that prioritize low-carbon emissions, promote green energy practices, and encourage sustainable habits.

ABOUT AASMA IoT PLATFORM

It is designed to bring data together from any sensor, device or system. It is a fully integrated enterprise solution that has been specifically built for the Internet of Things.

With AASMA, you can easily connect any sensor or device and gather data in real-time. The platform provides a range of tools and features to manage and analyze the data, including dashboards, analytics, and reporting tools. This enables businesses to gain valuable insights from the data and make informed decisions.

AASMA is designed to be user-friendly and easy to use, even for non-technical users. The platform provides a simple and intuitive interface that makes it easy to set up and manage IoT devices and sensors. It also provides a range of APIs and SDKs, making it easy to integrate with other systems and platforms.

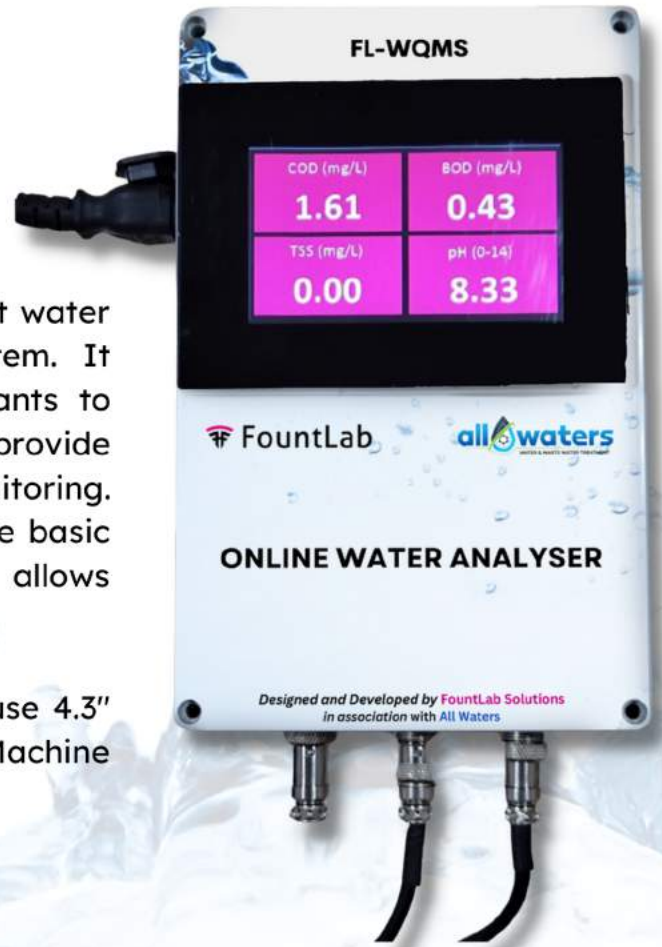


FL-WQM

Product Details

FL-WQM (Water Quality Monitoring), a smart water quality monitoring and management system. It allows Sewage and Effluent Treatment Plants to increase operational efficiency and provide optimum output by 24x7 In-line Data Monitoring. Needless to mention water is among the five basic needs of life on planet earth and FL-WQM allows you to be a responsible consumer.

FL-WQMS are all supplied with an easy-to-use 4.3" capacitive touch screen display Human Machine Interface (HMI).



How It works?



List of Sensors

Sr.No.	Parameter	Range	Resolution	Calibrated	Measurement Type	Accuracy
1	pH	0-14	0.01	Factory Calibrated	Inline	0.01
2	TSS	0-600mg/L	0.01mg/L		Inline	0.1mg/L
3	BOD	0-300mg/L	0.01mg/L		Inline	0.1mg/L
4	COD	0-500mg/L	0.01mg/L		Inline	0.1mg/L
5	Temperature	0-80 deg C	0.1deg C		Inline	0.5 deg C



Best-in-class service and support



Fully customizable device configuration and services



Hassel Free After Sales Services



Secure and reliable cloud platform

FL-SWMS

Product Details

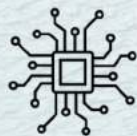
Introducing FountLab - Surface Water Quality Monitoring (FL-SWQM) System, your one-stop source for accurate and up-to-date water quality information. Our system is designed to provide real-time data on a wide range of water quality parameters, including Temperature, pH, Dissolved Oxygen, CoD, BoD Turbidity, Conductivity, Pressure, Water Level, Current, Chlorophyll, ORP (Oxidation-Reduction Potential), Nitrate and more. With a network of sensors installed in the device, we are able to gather and process accurate and comprehensive data to give you the most up-to-date information available.



Features



24x7 real-time monitoring of key parameters.



More than 14+ parameters can be monitored using one single device



Smart access to remote data with an interactive dashboard.



Cost-effective and accurate data is provided for further analysis.



Multiple connectivity options like Ethernet, GSM, Wi-Fi etc.

List of Sensors

Sr. No.	Parameters	Sr. No.	Parameters
1	Temperature	8	Conductivity
2	pH	9	Pressure
3	Chemical Oxygen Demand (COD)	10	Water Level
4	Biochemical Oxygen Demand (BOD)	11	Current
5	Dissolved Oxygen(DO)	12	Chlorophyll
6	Total Suspended Solids (TSS)	13	Oxidation-Reduction Potential (ORP)
7	Turbidity	14	Nitrate



Best-in-class service and support



Fully customizable device configuration and services



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Secure and reliable cloud platform

FL i-AHU Controller

Product Details

FountLab's intelligent Air Handling Unit Controller is a smart monitoring and controlling system designed to solve the problem of poor indoor air quality and poor energy optimizations using wireless sensors and a control unit, in real-time. The system adjusts the air handling unit as needed to maintain optimal indoor air quality levels.

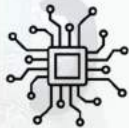
The combination of IoT and mod gates can lead to substantial energy savings, lower operating costs, and reduced carbon footprint.



Features



24x7 real-time monitoring of key parameters.



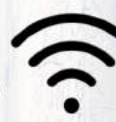
Temperature, CO2, CO, Humidity, PM10, PM2.5 sensors etc.



Smart access to remote data with an interactive dashboard.



Cost-effective and accurate data is provided for further analysis.



Multiple connectivity options like Ethernet, GSM, wifi etc.

List of Sensors

Sr.No.	Parameter	Range	Resolution	Accuracy
1	Air Temperature	0-70 deg C	0.1 deg C	+/-0.5 deg C
2	CHW and HW Temperature	0-150 deg C	0.1 deg C	+/-0.5 deg C
3	Humidity	0-95% RH	0.1 RH	+/- 2% RH
4	CO2	400ppm-5000ppm	1ppm	+/-10%
5	PM10	0-1000ug/m3	1ug/m3	+/-15%
6	PM2.5	0-1000ug/m3	1ug/m3	+/- 25%
7	Differential Pressure (Duct)	0-1000 Pa	1Pa	+/-1%
8	Air Velocity Sensor	0-3500Pa	1Pa	+/-1%
9	BTU/Ultrasonic Water Flow Sensor	0.22m/s - 14m/s	-	+/-1%



Non-intrusive System Installation & Commissioning



Secure and reliable cloud platform



Best-in-class service and support



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FL-IAQ

Product Details

FL-IAQ (Indoor Air Quality) Monitoring, is a single Point Solution to monitor and control Indoor Air Quality With 24*7 Real-time Data Monitoring & Multiple Sensors using Cloud Services.

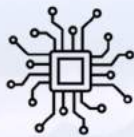
The product is fully customizable according to requirements. Choose sensors as required from the variety of available options. Monitoring of essential air quality parameters like Temperature, Humidity, CO₂, CO, O₃, PM₁₀, PM_{2.5}, PM₁, CO₂, Total Volatile Organic Compounds (TVOCs), NO₂, SO₂, Formaldehyde (HCHO)



Features



24x7 real-time monitoring of key parameters.



Temperature, CO₂, CO, Humidity, PM₁₀, PM_{2.5} sensors etc.



Smart access to remote data with an interactive dashboard.



Cost-effective and accurate data is provided for further analysis.



Multiple connectivity options like Ethernet, GSM, wifi etc.

List of Sensors

Sr.No.	Parameter	Range	Resolution	Calibrated	Measurement type	Accuracy	Sensor's life
1	PM _{2.5}	0-1000ug/m ³	1ug/m ³	Lab Calibration	Laser scattering	+/-15%	> 2 years
2	PM _{10.0}	0-1000ug/m ³	1ug/m ³		Laser scattering	+/- 25%	> 2 years
3	Temperature	0-70 deg C	0.01deg C		MEMS	+/-1 deg C	> 3 years
4	Humidity	0-95% RH	0.1 RH		MEMS	+/- 5% RH	> 3 years
5	CO ₂	400ppm-5000ppm	1ppm		NDIR	+/-10%	5 years
6	CO	0ppm to 500ppm	0.1ppm		Electrochemical	+/-10%	2 years



Best-in-class service and support



Can Cover 500 sq.ft. approx using single device



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Secure and reliable cloud platform

FL-OAQ

Product Details

FountLab's Outdoor Air Quality Monitoring system is designed to provide real-time data on a wide range of atmospheric conditions, including temperature, humidity, pollutants like PM10 & PM2.5, and Carbon Dioxide (CO2). With a network of sensors installed in the device, we are able to gather and process accurate and comprehensive air quality data to give you the most up-to-date information available.

You can access the data through our website or mobile app, which features an intuitive interface and easy-to-read visualizations.



*NOTE: Images shown are for representation purpose only, actual device may vary

Features



24x7 real-time monitoring of key parameters.



Temperature, CO2, CO, Humidity, PM10, PM2.5 sensors etc.



Smart access to remote data with an interactive dashboard.



Cost-effective and accurate data is provided for further analysis.



Multiple connectivity options like Ethernet, GSM, wifi etc.

List of Sensors

Sr.No.	Parameter	Range	Resolution	Calibrated	Measurement type	Accuracy	Sensor's life
1	PM2.5	0-1000ug/m3	1ug/m3	Lab Calibration	Laser scattering	+/-15%	> 2 years
2	PM10.0	0-1000ug/m3	1ug/m3		Laser scattering	+/- 25%	> 2 years
3	Temperature	0-70 deg C	0.01deg C		MEMS	+/-1 deg C	> 3 years
4	Humidity	0-95% RH	0.1 RH		MEMS	+/- 5% RH	> 3 years
5	CO2	400ppm-5000ppm	1ppm		NDIR	+/-10%	5 years
6	CO	0ppm to 500ppm	0.1ppm		Electrochemical	+/-10%	2 years



Best-in-class service and support



IP-65 Rated Enclosure for all the component



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Secure and reliable cloud platform

FL-WMS

Product Details

FountLab's Weather Monitoring System, is a one-stop source for accurate and up-to-date weather information. Our system is designed to provide real-time data on a wide range of atmospheric conditions, including temperature, humidity, air pressure, wind speed and direction, and more. With a network of sensors installed in the device, we are able to gather and process accurate and comprehensive weather data to give you the most up-to-date information available.

The system is designed to withstand the harshest of the weather and provide reliable data consistently



*NOTE: Images shown are for representation purpose only, actual device may vary

Features



24x7 real-time monitoring of key parameters.



Visibility, Wind Speed and Direction, Pressure, Rainfall, Temp., Humidity etc.



Smart access to remote data with an interactive dashboard.



Cost-effective and accurate data is provided for further analysis.



Multiple connectivity options like Ethernet, GSM, Wi-Fi etc.

List of Sensors

Sr.No.	Parameters	Range	Resolution	Accuracy
1	Temperature	-40 to 70 deg C	0.1 deg C	+/- 0.3 deg C
2	Visibility	5m to 30000m	10% (<10000m)	+/- 15% (>10000m)
3	Realtive Humidity	0 to 100% RH	0.1 % RH	+/- 2% RH
4	Atmospheric pressure	10hPa to 1100hPa	0.1hPa	+/- 0.5 hPa
5	Wind direction	0 to 359.9 deg	0.1 deg	+/- 3 deg
6	Wind Speed	0 to 70 m/secs	0.05m/sec	+/- 2%
7	Rainfall	0 to 6553mm	0.01mm	+/-4 %



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Fully customizable device configuration and services



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Call us today to know more!!!

Get in touch

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