



ONLINE MONITORING SOLUTIONS
**WATER QUALITY,
STACK EMISSIONS,
AMBIENT AIR QUALITY,
PROCESS ANALYZERS**

As per CPCB guidelines

TUV QAL1 Certified



www.envirozoneindia.com | www.fortunexis.in

AMBIENT AIR QUALITY MONITORING SYSTEM

PM_{2.5}, PM₁₀, SO₂, NO₂, CO, O₃, TVOC, etc (Based on Laser Scattering & ECD Method)

DustCount

Dustcount is an Online Particulate Monitoring System for Ambient applications. It is capable to monitor various particulate matter like PM1, PM2.5 & PM10. Dustcount is an ideal choice for applications like construction sites, mines, quarries, port, research projects, etc.

Poll-IQ

Poll-IQ is an Ambient Air Quality Monitoring System (AAQMS). It is capable to monitor PM2.5, PM10, SO2, NOx, CO, O3 and many more.

OdoCount

Odocount is the Real-time Odour Emission Tracking Solution. Odocount detect, measures and monitors the odourful gases and gaseous contaminants on a continuous basis like Ammonia (NH₃), Hydrogen Sulfide (H₂S), Volatile Organic Compounds (TVOCs), Methyl Mercaptan (CH₃SH), Meteorological Parameters, and many more.

AQ1

AQ1 is an industrial grade single parameter air quality monitor with automation capabilities. This product range consists of critical parameters and toxic gases like Total Volatile Organic Compound (TVOC), Ammonia (NH₃), Hydrogen Sulfide (H₂S), Methane (CH₄), Carbon Monoxide (CO), Formaldehyde (CH₂O), Particulate Matter, Ambient Noise.

AIR QUALITY DATA			
GGEPIIL - SANGLI PLANT			
PARAMETERS			
S.N.	PARAMETER	UNIT	VALUE
4	NO ₂	(ug/m ³)	0
5	HCL	(ug/m ³)	0
6	TVOC	(ug/m ³)	0
Manuf. By. ENVIROZONE PVT. LTD.			



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USEPA Approved Analyzers

PM10 & 2.5

Beta ray attenuation technology measures PM10 and PM2.5 levels in the air by assessing the reduction in intensity of beta radiation passing through a sample containing airborne particles. The method employs a beta radiation source and detectors to determine particle concentration, offering a reliable means for assessing air quality and environmental impact.



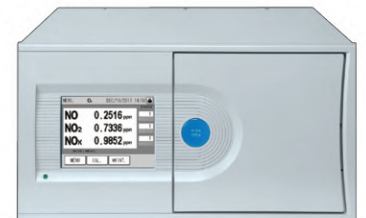
SO2

UV fluorescence technology continuously monitors atmospheric SO2 by shining UV light on the air sample. SO2 molecules absorb the light and emit fluorescence, which is measured to determine SO2 concentration. This real-time method is sensitive and vital for environmental compliance and assessing air quality impacts.



NOx

The cross-flow modulated semi-decompression chemiluminescence method measures NOx in ambient air by inducing a chemiluminescent reaction between nitrogen oxides and ozone. Controlled modulation of air and reagent flow rates enhances sensitivity. The emitted light is detected and measured, providing an accurate assessment of NOx concentrations for environmental monitoring.



CO

The analyzer is designed for the continuous monitoring of CO concentrations through the application of a Non-dispersion Cross Modulation Infrared Analysis method. It incorporates an autonomous, internal dry-method sampling mechanism to attain elevated levels of sensitivity and precision. The dry method is favored for atmospheric pollution monitoring due to its ability to continuously monitor and instantly analyze gases in their unaltered state, coupled with minimal maintenance requirements.



O3

The analyzer employs a cross-flow modulated ultraviolet absorption method to continuously monitor atmospheric ozone levels. It features an independent, internal dry-method sampling device, ensuring heightened sensitivity and accuracy. The dry method's minimal maintenance requirements and ability to instantaneously analyze gases in their unaltered state make it a preferred choice for atmospheric pollution monitoring.



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BTEX Analyzer

This instrument utilizes chromatographic column separation and pre-concentration technology to analyze CH₄ and NMHCs in ambient air. The sample gas is quantified in a loop, undergoes separation in the CH₄ analysis column, and is detected by the FID detector. Simultaneously, NMHCs are enriched through an adsorption tube in the pre-concentration module before analysis using high-temperature thermal desorption in the FID detector.



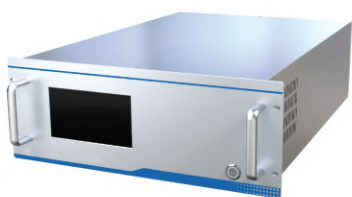
HC/NMHC Analyzer

This instrument employs chromatographic column separation and pre-concentration technology to analyze CH₄ and NMHCs in ambient air. After passing through the quantitative loop for quantification, the sample gas enters the CH₄ analysis column for separation, with the CH₄ components then detected by the FID detector. Simultaneously, in the pre-concentration module, NMHCs are enriched through an adsorption tube, and the desorbed sample is analyzed by high-temperature thermal desorption in the FID detector.



Weather Sensor

Ultrasonic Weather Monitoring Sensor, a sophisticated device delivering real-time data on essential environmental parameters. This advanced sensor measures Wind Speed, Wind Direction, Ambient Temperature, Relative Humidity, Barometric Pressure, Rainfall, UV Index, and Illumination. With ultrasonic technology and precision sensors, it offers accurate insights for applications such as agriculture, energy, and climate research.



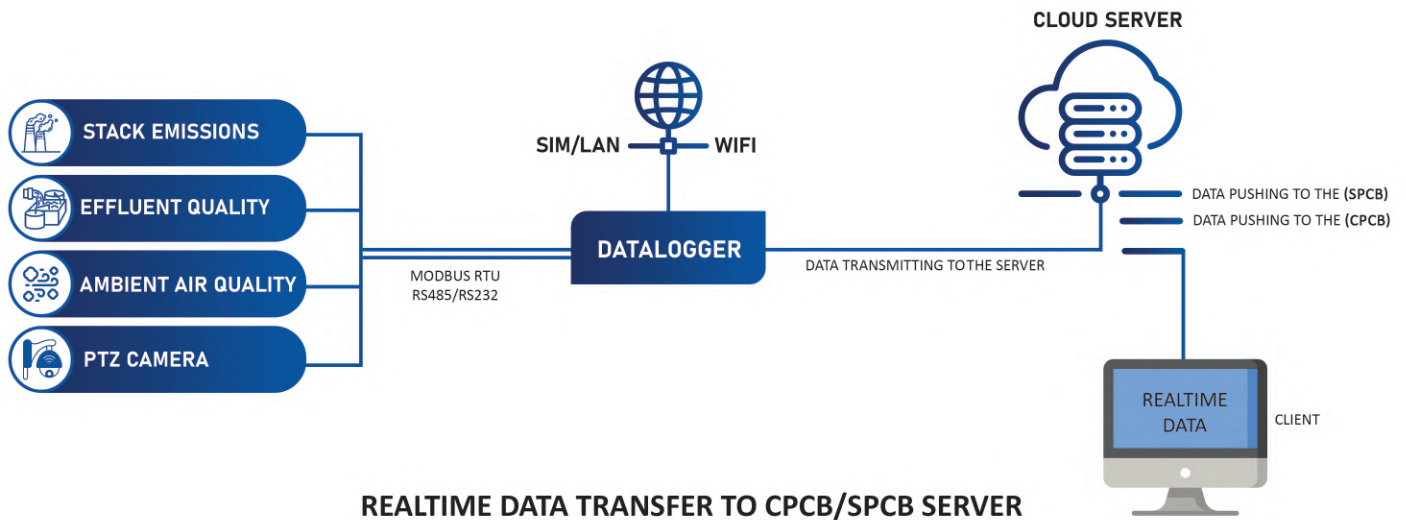
Dynamic Calibrator



H₂ Gas Generator



Zero Gas Generator



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