



# Effluent Quality Monitoring System (EQMS)

An Effluent Quality Monitoring System (EQMS) is a technological solution designed to monitor and assess the quality of wastewater or effluent discharged from industrial, municipal, or commercial sources into the environment. QMS employs a network of sensors to measure various parameters of the effluent, such as pH, temperature, dissolved oxygen, chemical oxygen demand (COD), biochemical oxygen demand (BOD), suspended solids, nutrients (nitrogen and phosphorus), heavy metals, and other relevant parameters. These sensors provide real-time data on the quality of the effluent.

This system plays a crucial role in ensuring compliance with environmental regulations and standards, as well as minimizing the negative impacts of effluent discharge on water bodies and ecosystems.



## Spectrometer-Probes

**Parameter:**  
TSS, TS, turbidity, color, TOC, DOC, BOD, COD, NO3-N, NO3, chloramine, HS-, O3, CLD, Chl-a, BTX, UV254, fingerprints, spectral alarms, and temperature



**spectro::lyser**

**Parameter:**  
Turbidity, TSS, TS, NO3-N, and NO3



**nitro::lyser V3**

**Parameter:**  
TSS, turbidity & ozone




**ozo::lyser V3**

**Parameter:**  
TSS, Turbidity, TOC, DOC, BOD, COD, COD f, UV254, and UV254 f



**carbo::lyser V3**

**Parameter:**  
Turbidity, TSS, TS, TOC, DOC, BOD, COD, COD f, NO3-N, NO-3, UV254, and UV254 f



**multi::lyser V3**

**Parameter:**  
Turbidity: measurement according to EPA 180.1 and ISO 7027, 90° scattering (35 mm path length)



**i::scan**

## Analyzers

**Parameter:**  
NH4-N and temperature and pH (with potassium compensation), pro+NO3-N monitors NH4-N, temperature and NO3-N (with potassium compensation)



**ammo::lyser eco**

**Parameter:**  
Monitors fluoride and temperature



**Fluor::lyser**

**Parameter:**  
ph::lyser eco monitors ph & temperature  
ph::lyser pro: high temperature and ph range



**pH::lyser**

**Parameter:**  
Free chlorine (Cl2 + HOCl + OCl-) or total chlorine (free chlorine + combined chlorine)



**chlori::lyser**

**Parameter:**  
Dissolved oxygen & temperature



**oxi::lyser**

**Parameter:**  
Conductivity, temperature, and salinity.




**condu::lyser**

**Parameter:**  
TOC, DOC, UV254, TURBIDITY, COLOR, CHLORINE, PH/REDOX, CONDUCTIVITY, TEMPERATURE AND PRESSURE



**pipe::scan**

**Parameter:**  
Monitoring peracetic acid



**peroxy::lyser**

**Parameter:**  
TSS (MLSS)



**Soli::lyser**

## Data acquisition and station control



**con::lyte**



**con::lyte**

Contact your local Aaxis Nano Representative

info@aaxisnano.com  
sales@aaxisnano.com

+91 959 918 9031  
+91 931 166 9482



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<https://aaxisnano.com/>