

Online Water Quality Monitoring System

Drexel Group specializes in manufacturing of Online Pollution Monitoring System for Water Quality Monitoring as per the CPCB Guidelines.

- Make in India Product.
- Competitive Prices.
- Most advance system with auto cleaning and calibration.
- Affordable spare and services
- Inbuilt all sensor assembly.
- Online fault diagnostic feature available.
- Services available through our expert Engineering team.

Categories:

- **STP (Sewage Treatment Plant)**
- **ETP (Effluent Treatment Plant)**
- **River Monitoring**
- **Drinking Water Monitoring**



OEQMS (Online Effluent Quality Monitoring System)

Extractive type :

- Complete Engineered Panel with all electronics for monitoring parameters including Standard Parameters :- **COD, BOD, TSS, pH** & Additional Parameters :- **DO (Dissolved Oxygen), NH₄NO₃, TDS, Turbidity, Residual Chlorine, Hardness, Salinity, Orthophosphate, Total Phosphate., Temperature, Conductivity.**
- DX4P-W is using an innovation technology, it checks and detects undesirable substances present in Sewage Treatment Plants or Effluent Treatment Plants.



Features

- Inbuilt display for viewing readings on the system
- Inbuilt cloud gateway for transmitting data to server.
- Online fault rectification
- Inbuilt battery backup for 3hrs (optional)
- Optional Inbuilt System for remote control to access troubleshooting
- Provision for addition of 16 more parameters in future (Optional)
- Peristaltic Pump is used to extract the sample .

Online Water Quality Monitoring System with Probe Sensors for ETP/STP

Drexel developed the Online Water Quality Monitoring Analyzer based on the probe sensors which is used to measure the ETP/STP/Drinking Water with **Standard parameters like BOD, COD , TSS, pH , TDS and additional parameters like DO (Dissolved Oxygen) and others.**



Product Advantage:

- We use Titanium or Stainless steel assembly instead of put the probes directly in the Sampling tank for the safety of the sensors.
- By using Titanium or Stainless steel assembly the life period of probe sensors will extend as compared to directly put the probe sensors into the sampling tank.
- Automatic brush cleaning assembly.
- Automatic cleaning with H₂SO₄ Sol./ dry compressed air.
- Automatic Calibration.
- Good repeatability.
- Low power consumption.

River Monitoring with SONDE System

Multiparameter SONDE is the next generation Water Quality measurement instrument. SONDE system is used to monitor the various River, Lake Surveys. By deployment of Multiparameter probe system (SONDE) & large range of sensors, it is able to monitor each & every parameter of water with satisfactory & reliable results.

Manually cleaning is minimized, as there are two options to clean the sensing ports of the SONDE system. Auto jet cleaning with 1% or 5% dilute H₂SO₄ with 99% or 95% DM water & Auto jet dry compressed air cleaning ports which make the performance of SONDE system maximized. There are six external sensor ports available in SONDE system and many more are optional.

Installation Pictures

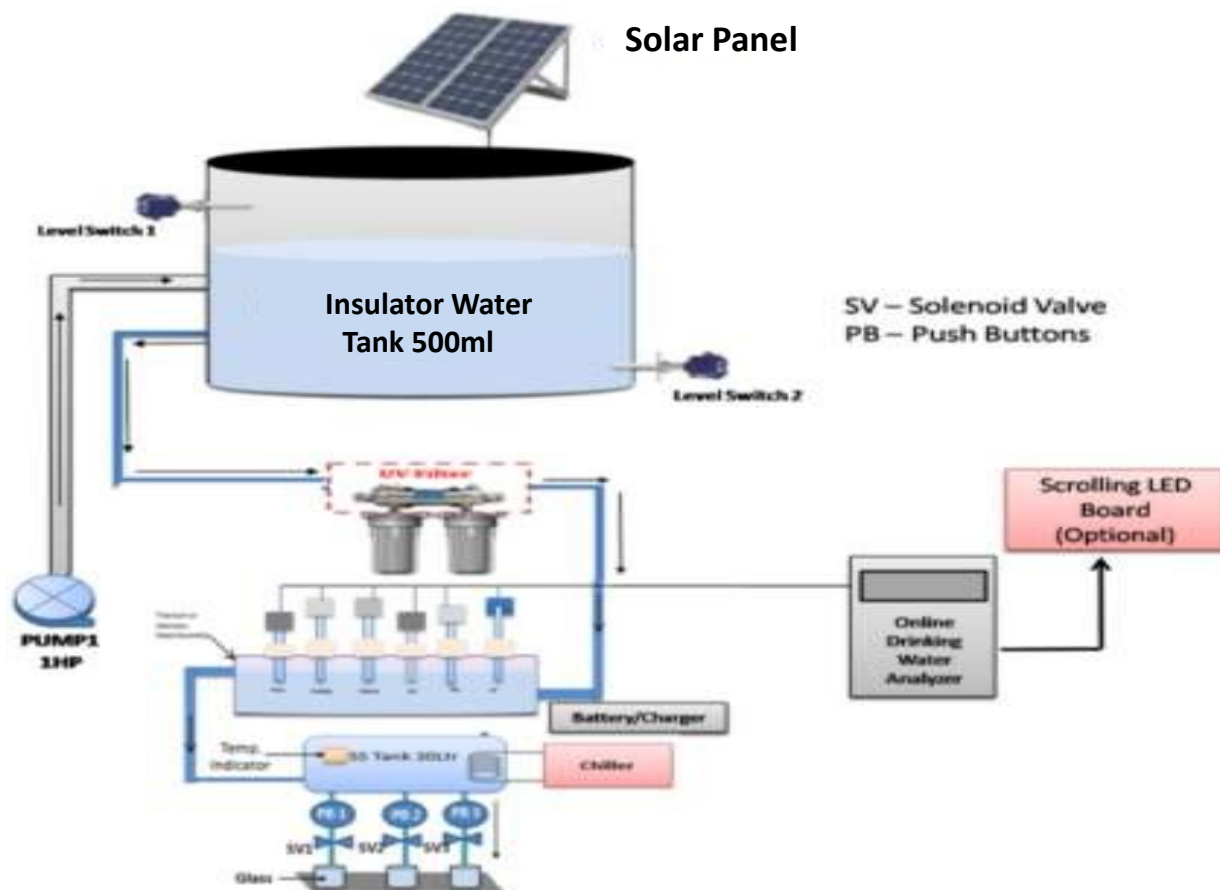


Technical Specifications

S. NO	PARAMETER	RANGE (Can be customized)	PRINCIPAL
Standard Parameters			
1.	COD	0-2000 mg/l	UV (visible absorption spectroscopy) (Extractive/ Probe)
2.	BOD	0-2000 mg/l	UV (visible absorption spectroscopy) (Extractive/ Probe)
3.	TSS	0-2000 mg/l	UV (visible absorption spectroscopy) (Extractive/ Probe)
4.	pH	0-14 pH	pH Electrode (Probe)
Additional Parameters			
1.	TOC	0 – 1000 ppm	UV (visible absorption spectroscopy) (Extractive/ Probe)
2.	Total Phosphate	0 -10 ppm	Colorimetric (Extractive Analyser)
3.	Temperature	-100°C - 200°C	RTD (PT100)
4.	Conductivity	0 – 2000 ppm	Electrode (Probe)
5.	TDS	0 – 2000 ppm	Electrode (Probe)
6.	DO	0 – 20 mg/l	Fluorescence (Probe)/ Galvanic
7.	Turbidity	0 – 1000 ntu	Detection principle of light wave scattering method (Probe)
8.	Chlorine	0 - 20 mg/l	Ion selective permeable membrane (Probe)
9.	Ammonical Nitrogen	0.03- 1000 ppm	Ion selective permeable membrane (Probe)
10.	Nitrate Ion	0 – 1000ppm	Detection and transmission (Probe)
11.	Oil & Grease	0 - 50ppm	Ultraviolet fluorescence method

Online Drinking Water Monitoring System with Automatic Dispenser

- The Complete Setup is designed to provide clean drinking water to schools/colleges/societies.
- System runs on electric power supply and Solar System is optional.
- The main storage tank gets filled automatically since the level sensor assembly is installed.
- The Water is filtered & treated by different carbon candles/sand filters and UV Source to destroy the harmful bacteria.
- Drexel's Online Drinking Water Monitoring System is install next to the filtered assembly to check Online Drinking Water Monitoring System with Automatic Dispenser the different numbers of water parameters like pH , TDS, Turbidity, Conductivity, Salinity, Calcium Ion , etc.
- Touch screen HMI is provided with the system to monitor the all required parameters.
- Scrolling LED Display is secondary option to monitor the data of all parameters.
- Same data can transfer on cloud server and user can check it online anywhere.
- Secondary 30 liters distribution tank provides water to 3 outlets. The secondary tank is equipped with small chillers to maintain 25 °C water temp.
- Each water dispenser station has push button to dispenses the present water quantity between 200-300 ml. and then automatically tap closes.





drexel® group

OUR CLIENTS



Certifications

CE CE Electromagnetic Standards

TUV Rheinland

TUV Nord

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

MSME Certification UAM No. -- DL08A0013616

GST NO. 03AAECD5047M2ZM



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