



Online Water Quality Monitoring System for ETPs/STPs



F

Floating Assembly (optional)

Model DX4P-W

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)**

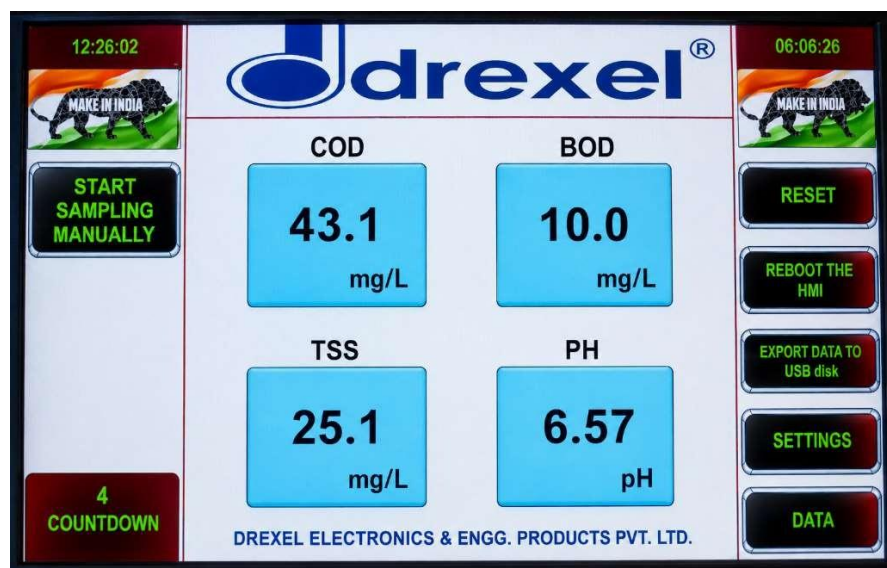
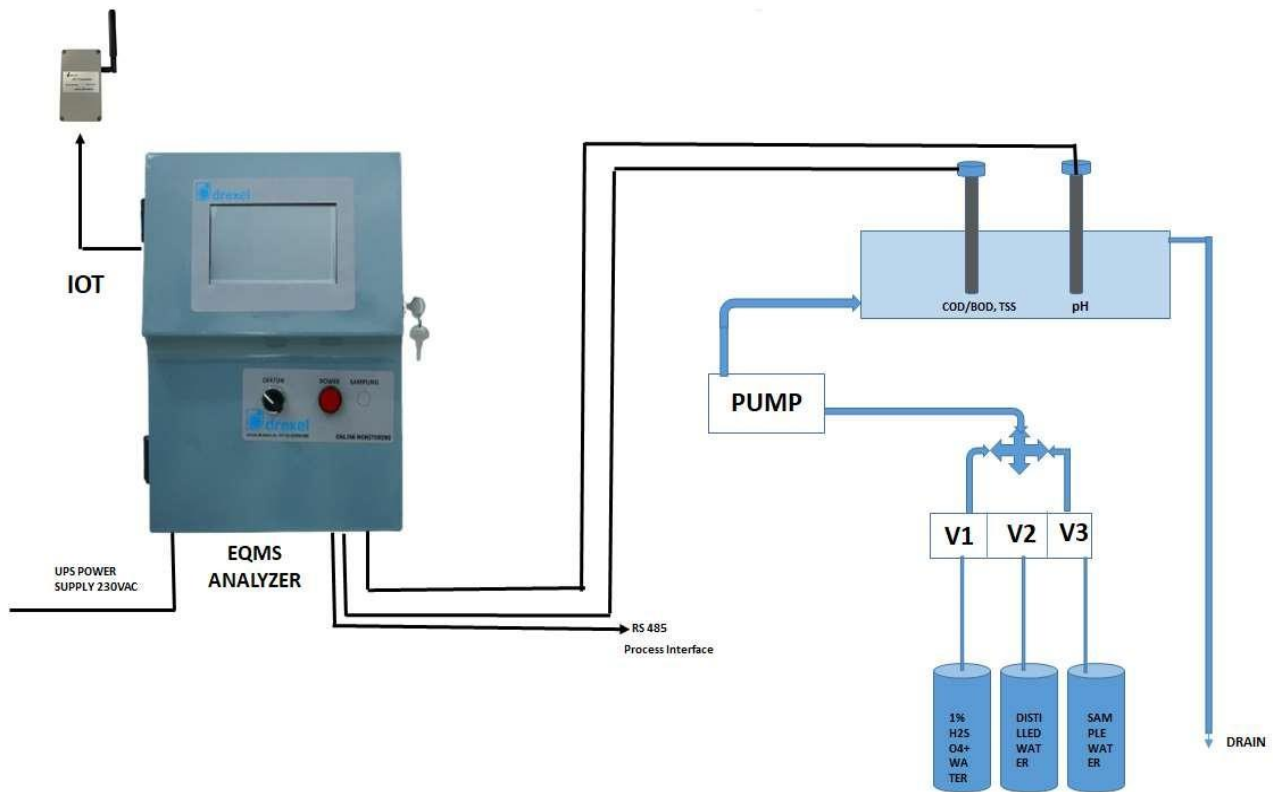
Online Water Quality Monitoring System for ETPs/STPs

- 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.



drexel® group

Block Diagram of Online Water Quality Monitoring System





Features

- Inbuilt display for viewing readings on the system
- Inbuilt cloud gate way for transmitting data to server.
- 4 digital programmable outputs for automatic Dosing, Aeration control and alarms .
- 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
- Automatic cleaning, calibration with real water feature
- Built in features to integrate to Drexel SCADA

Technical Specifications

S. No.	Parameter	Range (Can be Customized)	Principle
Standard Parameters			
1	COD	0–1000 / 2000 mg/L	UV (Visible Absorption Spectroscopy) – Extractive / Probe
2	BOD	0–1000 / 2000 mg/L	UV (Visible Absorption Spectroscopy) – Extractive / Probe
3	TSS	0–1000 / 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 to 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	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	0–1000 ppm	Detection and Transmission – Probe
11	Oil & Grease	0–50 ppm	Ultraviolet Fluorescence Method

OUR CLIENTS

