

# BlueTrack Technologies

Technology you can trust, Progress you can measure

## Product Overview

The **Multi-Parameter Water Analyzer System** is an advanced, modular solution designed for **comprehensive water and wastewater quality monitoring**. The system is capable of measuring critical parameters such as **COD, BOD, TSS, pH, EC, TDS, Temperature, Salinity, TOC, DO, ORP**, and other water quality indicators.

It is suitable for **ETP / STP plants, industries, environmental monitoring, and regulatory compliance applications**, with flexible configuration and full customization based on project requirements.

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## Key Features

- ✓ Multi-parameter water quality monitoring in a single system
  - ✓ Modular & expandable architecture
  - ✓ Online, continuous real-time measurement
  - ✓ High accuracy industrial-grade sensors
  - ✓ Centralized display & data logging
  - ✓ Telemetry / IoT ready for remote monitoring
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## Product Image



## System Configuration

The system consists of:

- Online analyzers & sensors (as per selected parameters)
  - Central controller / data logger
  - Digital display & user interface
  - Optional telemetry & cloud dashboard
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## Measurable Parameters (Selectable)

Parameter	Range / Capability
pH	0 – 14
EC	μS/cm to mS/cm (customizable)
TDS	Up to 30,000 ppm
Temperature	0 – 60°C
Salinity	ppt / PSU
DO (Dissolved Oxygen)	0 – 20 mg/L
ORP	-1999 to +1999 mV
TSS	Online optical / gravimetric equivalent
COD	Online COD analyzer
BOD	Online / Estimated BOD
TOC	Online TOC analyzer
Others	As per project requirement

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## Technical Specifications (Quick View)

Parameter	Specification
Measurement Mode	Continuous Online
Inputs	Analog (4–20 mA), Digital, RS485
Communication	RS485 (Modbus), Ethernet
Telemetry	GSM / GPRS / 4G / NB-IoT / LoRa (optional)
Data Logging	Internal memory / SD Card
Power Supply	230V AC / 24V DC
Enclosure	IP65 / IP67
Operating Temperature	0 – 85°C

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## Applications

-  Effluent Treatment Plants (ETP)
  -  Sewage Treatment Plants (STP)
  -  Industrial Process & Discharge Monitoring
  -  CPCB / SPCB Compliance Monitoring
  -  Environmental & River Monitoring
  -  Utilities & Commercial Facilities
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## Advantages

- Single platform for multiple water parameters
  - Reduced manual sampling & lab testing
  - Real-time compliance monitoring
  - Easy integration with SCADA & government servers
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## Optional Features

- CPCB / SPCB compliant data format
- Cloud-based dashboard & mobile app
- SMS / Email alerts
- GPS tagging & time stamping
- Solar power system

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## Customization Available


- Selection of required parameters
- Sensor make & range customization
- Panel / skid-based mounting
- Integration with existing PLC / SCADA
- Firmware & reporting customization

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## Company Details

### Bluetrack Technologies

 Contact: +91-9602578014 , 9462930103

 Email: [bluetrackinfo@gmail.com](mailto:bluetrackinfo@gmail.com)

 Website: [bluetracktechnologies.com](http://bluetracktechnologies.com)

 Location: India

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*This document is intended for quick reference and preliminary selection. Specifications are subject to change without prior notice.*