

WATER POLLUTION MONITORING STATION



PRODUCT FEATURES

- Products manufactured by SITECH are integrated with the ability to customize and expand
- Collect data via wireless cellular network
- Display measurement results via website or mobile applications
- Automatically send notifications when one or more measurement parameters change abnormally
- Operated by solar energy
- Offer reasonable prices compare to imported products
- Simple and quick installation.
- Water monitoring systems enable forecasting of Water Quality Index (WQI) using AI technology.

TECHNICAL SUPPORT

- Smart and Innovative Technology Joint Stock Company (SITECH) is a team of highly specialized and experienced engineers, specializing in researching, designing, manufacturing, and providing environment surface water and groundwater monitoring equipment
- We provide high quality and market-proven solutions for environment monitoring at reasonable prices. We have a team of engineers to support maintenance and operation efficiently.

SPECIFICATIONS

DATALOGGER

- ARM® 32-bit Cortex® - M4 CPU
- 180 Mhz processor
- Transmit data via 3G/4G, LoRa, WIFI
- Support analog and digital signal inputs
- Compatible with many environment sensors: pH, DO, TSS, COD, NH4+, ...
- Input voltage from 8 to 36 VDC
- Low power consumption.

SENSORS

- Operate according to chemical, optical, and electromechanical principles.
- Compatible with sensors from different vendors
- Monitoring parameters can be changed flexibly
- High accuracy, less than 5% error.

DATA ACCESS

- Access data on website and mobile applications
- Real-time notifications on websites and mobile applications
- Data is visually displayed in the form of maps, graphs and tables
- Water quality index (WQI) is calculated automatically
- Set data access permissions depending on user roles
- Access data on both computers and smartphones.

REMOTE OPERATION

- Change frequency of data sampling
- Change warning thresholds
- User interfaces and business processes can be customized.

ENERGY

- Solar energy or grid electricity
- Backup power supply for up to 30 days
- Solar battery life over 15 years.

OPERATION CONDITIONS

- Working temperature: 0 °C to 60 °C
- Humidity: 0 - 95% RH.

