

AIR POLLUTION MONITORING STATION

sitech
Smart & Innovative Technology



PRODUCT FEATURES

- Environment parameters are selected flexibly depending on actual needs at the monitoring locations
- We offer high quality sensors, provided by leading reputable manufacturers in the world
- Equipment can be powered by solar or grid energy
- Equipment has the ability to automatically save data when connection is lost
- We have technical team in Vietnam, thus ensuring continuous, timely, and long-term technical support
- Device is installed on a vertical pole with a sleek, compact, and environmentally friendly design
- Products are manufactured locally in Vietnam, therefore we offer reasonable prices compared to imported products.
- Air monitoring systems enable the prediction of Air Quality Index (AQI) 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 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 onsite operation efficiently.

sitech
Smart & Innovative Technology

 213 Nguyen Tat Thanh, Hai Chau Ward, Da Nang City, Viet Nam

 www.sitech.vn

 sales@sitech.vn

 (+84) 236 3222 555

SPECIFICATIONS

DATALOGGER

- ARM® 32-bit Cortex® - M4 CPU
- 80 Mhz processor
- Transmit data via 3G/4G, LoRa, WIFI network
- Support analog and digital signal inputs
- Compatible with many environment sensors: CO, NO, NO₂, SO₂, O₃, PM1, PM2.5, PM10, temperature, humidity, ...
- Input voltage from 8 to 28 VDC
- Low power consumption.

SENSORS

- Operates according to chemical, optical, and electromechanical principles
- Capable of integration 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
- Air quality index (AQI) can be calculated automatically
- Set data access permissions depending on user roles
- Access data on both computers and smartphones
- Easy sensors calibration.

REMOTE OPERATION

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

ENERGY

- Solar power or grid power
- 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.

