AQUASENSE PRO
BT-AQ-13AG

BridgeThings

Wireless Under Ground water level Monitoring Sensor

Sensor

Power Input

LoRaWAN   Wi-Fi   4G

WiFi   4G

Product Overview:

The Telemetry Device for Underground Water Level Monitoring and Water Quality Analysis is an advanced system designed for remote monitoring of groundwater levels and water quality parameters. It offers a range of features including wireless data transmission, real-time analytics, and multi-channel alerting capabilities.

Key Features:

1. Wireless Groundwater Level Monitoring
2. Water Quality Data Transmission via Lorawan, Wi-Fi, and 4G
3. Dashboard Analytics and Alerts
4. RS485-Based Piezo Sensor for Water Level Measurement (Up to 200 meters)
5. Multi-Channel Alerting via SMS, WhatsApp, Email, Mobile & Web Notifications, and Voice Calls

Applications

- Groundwater Monitoring for Environmental Studies
- Water Resource Management
- Agriculture and Irrigation Management
- Industrial Water Usage Monitoring
- Flood Monitoring and Early Warning Systems

Technical Specifications

- **Communication Interfaces:** Lorawan, Wi-Fi (802.11 b/g/n), 4G LTE
- **Sensor Type:** RS485-Based Piezo Sensor
- **Measurement Range:** Up to 200 meters (Water Level)
- **Data Logging Interval:** Configurable (e.g., 5 minutes, 15 minutes, 1 hour)
- **Data Transmission Interval:** Configurable
- **Power Supply:** 12V DC (Solar Panel Compatible)
- **Operating Temperature:** -20°C to 70°C
- **Storage Temperature:** -40°C to 85°C
- **Dimensions:** 120 x80 mm

Data Management:

- Data is transmitted securely to the cloud-based server for storage and analysis.
- Access to data is protected by user authentication and encryption protocols.
- Data can be accessed through a web-based dashboard or API for integration with third-party systems.