

# LIQUA-Level EPC

Pressure-Based Water Level Monitoring System for Stormwater Infrastructure

## Component Images



## Specifications & Mounting

- Measurement Range: 0 to 30+ foot range
- Data Sample Frequency: 10-min (std)
- Resolution: 0.25 inches
- Power to Sensor Supplied by LIQUA-Level EPC Computer
- Sensor Connection Cable Suitable for Direct Bury or within Conduit
- LIQUA-Level EPC pressure-based sensor located at “bottom” of stormwater storage system
  - Burial configuration for surface systems
  - Base-anchored configuration for modular, below-ground systems
- Ideal for large surface systems (e.g. retention, detention, infiltration) where sensor support is prohibitively difficult.

## Wireless (cellular) Data Transmission

- Cat-M1 cellular (2G, 3G, 4G LTE compatible)

## Power

Computer & Power Supply:

- Voltage – 12 VDC
- Battery Pack with Solar-Panel Recharge
- Stand-Alone Pole Computer Support Option
- Existing Pole Computer Support Option

Water-Level Pressure-Based Sensor:

- Voltage Range – 0 to 12 VDC

## Exposure Allowance & Compliance

- FCC and RoHS
- Computer & Battery Enclosure – IP67
- Integral Cellular Antenna in IP67 Enclosure
- Sensor – Intrinsically Safe (IP 68 / NEMA 6P)
- Sensor Direct-Bury Connection Cable (IP 68 / NEMA 6P)
- Operating Temperatures:
  - Fahrenheit: -30 to 120 deg F
  - Celsius: -34 to 49 deg C

## Features



Nationwide cellular connectivity



Water-Level Measurements for:

- Large Infiltration Systems
- Large Retention/Detention Systems
- Large Below-Ground Vault Systems



Browser-based dashboard (viewing and data download). Advanced notice of potential problems. Data visualization. Data-driven maintenance notification.



Water-level monitoring system to complement other P4 sensor systems (synchronized data)

## Maintenance (low to zero)

- Modular Plug-and-Play (sensor, computer, battery, solar panel)
- Remote Health Assessment of Battery via Dashboard
- Visual Sensor inspection (annual recommended)