

LIQUA-Level

Contact Water-Level Monitoring System for Stormwater Infrastructure

Component Images



Specifications & Mounting Options

- Measurement Range: 0" to 120"
- Resolution: 0.25 inches
- Sampling Frequency: 10-min. (std)
- Power to Sensor Supplied by LIQUA-Level Computer
- Sensor Connection Cable Suitable for Direct Bury or within Conduit
- LIQUA-Level Sensor Mounting Options:
 - Stainless Steel Stand-Alone Pole
 - Bracket Mounting within Access Structure
 - PVC Protective Enclosure with Brackets

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
- Stainless Steel Mounting Bracket
- Stand-Alone Galvanized Steel Pole (drive-in base)

Water-Level (Hall-Effect) 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 Connection Cable (IP 68 / NEMA 6P)
- Direct-Bury Cabling (computer to sensor)

Features



Nationwide cellular connectivity (WiFi option – contact P4)

Water level measurements for:

- StormTrap™ Systems
- ADS™ Systems
- AquaBlock™ and R-Tank™ Systems
- Surface Systems
- Dry (Infiltration) Wells
- Any location with vertical space



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 sensor systems (curated data stream).

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)