

# AirWire LoRa Level Transmitter

For In-Plant and Nearby Wireless Applications



**Level** transmitters control Senix ToughSonic® ultrasonic sensors to periodically measure and send liquid or solid level readings to local LoRa-compatible receivers without recurring fees.

LoRa wireless is a low cost, low power, secure link designed for sensors and IoT applications that need to send small amounts of data a few times per hour from varying environments.

The level transmitter conserves battery energy by periodically turning the sensor on to measure, then turning the sensor off and reporting the result.



Works with any ToughSonic® Standard or CHEM RS-485 interfaced sensor

**Transmits  
Liquid & Solid Levels  
up to  
10 miles rural and  
3 miles urban**

## Features

### Functionality

- Transmits level periodically on remotely adjustable schedule
- Manages power, sensor and data communications
- 50-100,000 measurements <sup>(1)</sup>
- Status and fault reporting
- Many transmitters can be handled by a single receiver
- Network & application security
- LoRa certified end node

### Packaging

- Housed in UV stabilized, polycarbonate plastic, IP66 and NEMA 4X rated enclosure
- Sealed sensor cable gland
- Three internal D-cell batteries
- Internal USB connection for sensor adjustment & testing

*Note (1): affected by schedule, sensor setup, environment, batteries used*

## Benefits

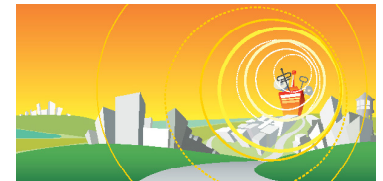
- Eliminates the need for and cost of installing conduit
- Is safer, faster and more accurate than site visits
- Low-cost technology - no required subscription charges
- Low energy for long battery life and low maintenance cost
- Level transmitter operates during power outages
- Cabled sensor allows for optimal transmitter placement
- Status reporting supports installation and maintenance
- Security for privacy, message integrity and authenticity
- Meets latest IoT standards
- Sends to Senix LoRa receivers or public LoRa networks
- Senix field-proven IP68 sensors mean reliability and long life
- View on LAN (you own it) or subscription cloud services

## Data Destination

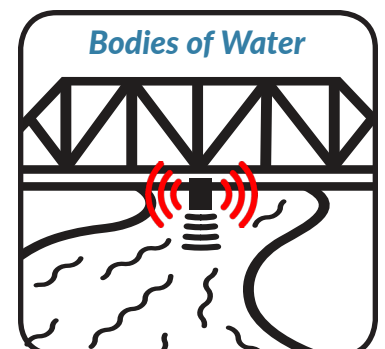
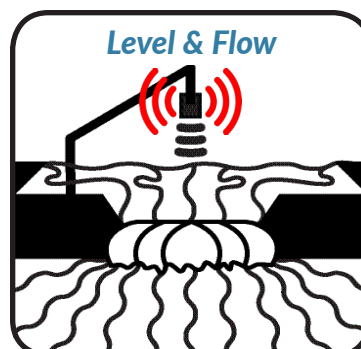
### Dedicated Local Receivers

Installed in your plant or office, receivers collect transmitted data, send email alarms, and/or provide LAN or cloud-based displays that are viewable on any device. See the **AirWire LoRa Receiver-Gateways** data sheet.

### Public LoRa Services



In many locations commercial carriers now offer subscription-based public LoRa "Network-as-a-Service" (NaaS) supporting the evolving "Internet of Things". Senix can help you get connected to these services.



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