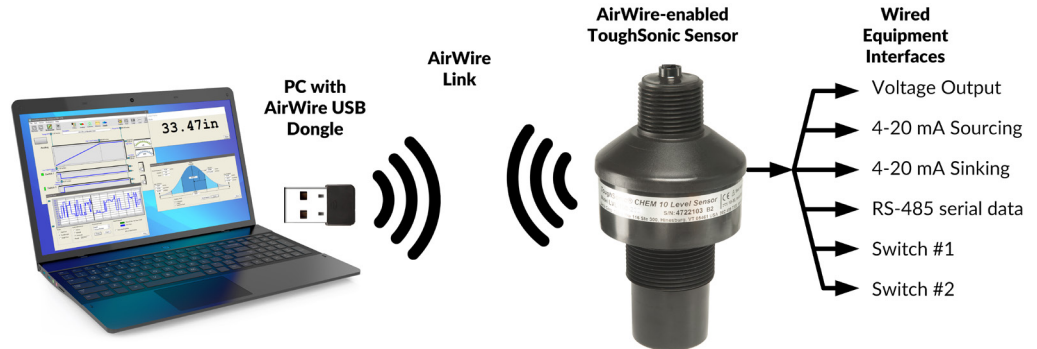


# Senix AirWire<sup>®</sup> Sensors

Tech Note



Senix ToughSonic sensors can be adjusted, monitored or cloned using our SenixVIEW software running on a PC. AirWire technology allows those features to be performed wirelessly while the sensor is operating in-situ and connected to any of the usual wired interfaces. The real-time performance is unaffected unless intentional sensor adjustments are made.



## Overview

**AirWire** technology provides a wireless connection between a Windows PC and an AirWire enabled sensor. A mobile application is also in development that will use the AirWire link with a cell phone or tablet.

At the PC, an AirWire dongle is inserted into a USB port and a small link application installed. The dongle appears as a COM port to SenixVIEW software. A wireless link is made between the PC and the sensor, allowing SenixVIEW to perform most of the same functions as a wired connection.

The AirWire link can pair with a single device and the sensor's real-time operation is unaffected. All wired outputs continue to function - even the RS-485 serial interface!

### Specifications

- Bluetooth Low Energy (BLE)
- Range about 100 feet (30 m) line of sight

## Features

### Built into Sensor Body

Airwire is encapsulated in the sensor housing. Normal sensor functions and wired interfaces are unchanged and unaffected.

### SenixVIEW compatible

SenixVIEW functions over the AirWire connection in the same manner as a wired connection:

- Read, display, chart, log and analyze measurements
- Retrieve a sensor setup
- Change a sensor setup
- Store a setup to disk
- Clone new sensors

Some sensor functions are not functional in AirWire models. These include SYNC, ASCII streaming, and alternative baud rates. Firmware updates can only be performed with RS-485.

### Availability

AirWire is available in all ToughSonic CHEM sensors.

Future enhancements will include cell phone applications and accessories for wireless access to other sensor models and sensor networks. Contact Senix with your needs.

## Benefits

### Convenient & Efficient

Walk near your equipment to view sensor measurements.

- No wires to disconnect
- No need to power down
- Faster - reduces down time

### Safety

Remain safely removed from sensors that are:

- In operating machinery
- In unsafe locations, such as on top of a liquid tank
- In generally inaccessible areas or where there may be electrical hazards

### Access

- From a convenient location
- From a vehicle

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