SenixVIEW™ Setup Software
Configures, Tests & Clones all ToughSonic Sensors

Capture the power designed into all Senix ToughSonic distance and level sensors! With SenixVIEW you gain complete control at the bench or in the field. Work safely remote from equipment to adjust, verify, and duplicate setups.

Setups can use metric or English units. One sensor or a network group of sensors can be updated with one click.

Using SenixVIEW, ToughSonic sensor flexibility allows one model to be applied in many applications. Enjoy lower life cycle cost, less inventory, fast setup and rapid maintenance!

A fifth generation tool from the company that invented PC-configured sensors

Quickly optimize any ToughSonic sensor installation...

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then clone it in 3 seconds!

Easy to Use

To the familiar Windows® menus and icons we add...

❶ *Real-Time Graphics* include target strength, target data & symbols, meters, switch states, charts, graphs, statistics & logs all in real-time. Click a parameter to revise it, then send it to the sensor!

❷ *Help Tips Assistance* pops up when you mouse over any screen element or parameter. Tips have user selected delay timing or can be turned off.

❸ *Reference Target* improves measurements by compensating for diurnal air temperature swings, and easily calibrated in the field at any time

Powerful Setup

Adjust sensors quickly to get your application just right...

❸ *Adjust* __with now over 75__ functionally organized parameters. Calibrate and set measure rate, operating range, filters, timeouts and responses to unusual measurement conditions.

❹ *Multi-Sensor features* can manage a sensor network by address. Adjust one sensor, a batch of sensors, or an entire network using Group Control.

View

Click to view the following in repositionable windows...

❺ *Large Display* shows outputs in big characters so you can view PC screen measurements from afar while working on equipment. Resize to your preference, then view the screen from up to 100 feet away.

❻ *Strip Chart* shows a running measurement history graph of distance vs. time in a one-shot or continuous mode. Time and distance scales are manually or automatically adjusted. Adjust sensor filters and check the results in real-time—both filtered and unfiltered data are shown simultaneously.

Analyze

Evaluate performance using these extended features...

❼ *Statistics* displays the min, max, average, standard deviation and max deviation, continuously or over a selected number of samples.

❽ *Logging* stores time-stamped measurements to a disk file at an adjustable rate while showing a real-time strip chart. Files can be replayed on the strip chart or exported to Excel.
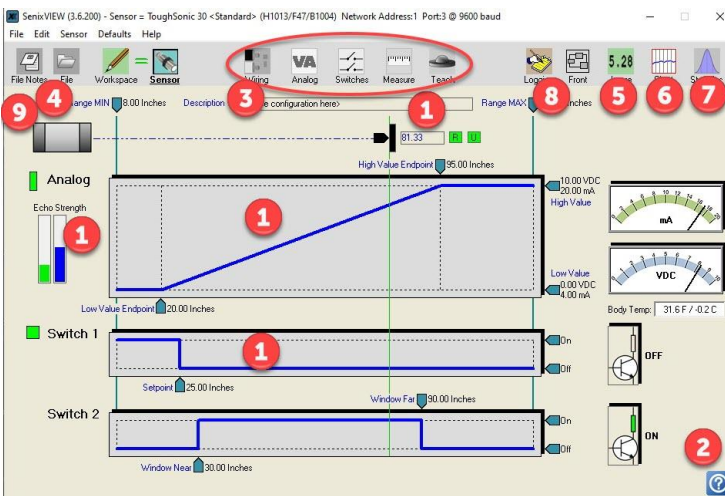
Store & Recall

Finished? Click once more in case you need it in the future...

❾ *Save* a sensor setup to the PC disc file. Need another identical sensor? Connect it, recall the file, then copy the setup to the sensor for an exact copy in 3 seconds—no calibration needed! Configurations can be also be exchanged by email.

OEM and MRO maintenance operations find quick duplication particularly useful to reduce setup and down time

Senix can also ship pre-configured sensors with your custom setup. Contact Senix for details.

Download SenixVIEW from www.senix.com/technical-support/documentation/

Features

Note: Circled numbers (❶) correspond to text on front page

Sensor Setup

❸ **Workspace** ⬇

- Click to edit sensor parameters
- Calibrate output distances

❸ **Wiring**

- Choose outputs on ToughSonic 3, 12 and 14 models
- Set switches to sinking or sourcing
- Select status indicator functions

❸ **Analog**

- Power-up output values
- No-target output value & delays
- No-SYNC output values

❸ **Switches**

- Hysteresis & setpoint modes
- On, off & no-target delays
- Polarities, power up states

❸ **Measure**

- Measurement mode & rate
- Temperature compensation
- Sensitivity & filtering
- Reference Target compensation

❸ **Teach**

- Teach button can be either enabled or disabled for security
- ToughSonic 3, 12, 14 & 30 models have push-button Teach

File Operations

❾ **File**

- Save sensor setup to disk file
- Recall later and clone another
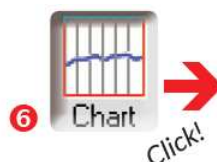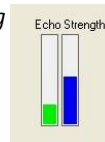
File Notes

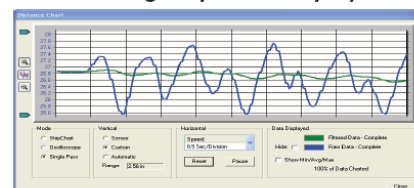- Add user notes with additional information about your application.
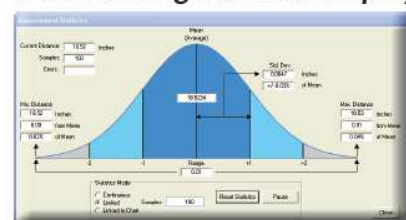
Real-Time Viewing

❶ **Sensor** ⬇

- Click sensor to start real-time viewing
- View real-time distance and outputs
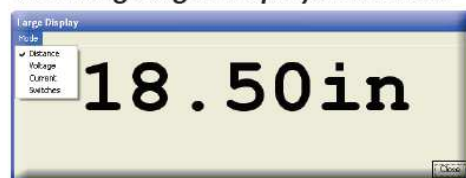- Enables real-time features
- Echo strength indicator

Echo Strength

View running strip chart display

❻ **Chart** → Click!

View running statistics display

❼ **Statistics** → Click!

View large digits displays on screen

❺ **Large** → Click!

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Log data, replay or view in Excel

❽ **Logging** → Click!

Product Compatibility	All Senix ToughSonic General Purpose and ToughSonic CHEM models
PC Operating System	Windows XP, 7, 8, 9, and 10 compatible
SenixVIEW Version	This document applies to SenixVIEW Version 3.6.200 or later
Sensor Interface	PC COM Port (RS-232 and RS-485 are available)
Protocol	Modbus at 9600, 19200, 38200, 57600 or 115,200 baud, N-8-1
COM Ports	COM 1 through COM 255; Port loopback verification test included
Test Features	Sensor outputs test, range environment test, data communications loopback
IP Compatibility	LAN or internet connection to sensors using Modbus over IP
Sensor Connection	By sensor address (1 to 247); up to 32 sensors in an RS-485 network or SYNC group
Sensor Groups ❹	Identifies attached sensors by address; single or multi-sensor parameter transfers or saves
Updates	Auto SenixVIEW & sensor firmware update from web site; supports firmware installation