

# SenixVIEW™ Software

Installation Software for Senix ToughSonic® Distance Sensors

Capture the power designed into Senix TSPC and LVL series sensors! With SenixVIEW you gain complete control whether on the bench or safely remote from equipment. Quickly adjust, verify and duplicate your installations.

Work with distances in any metric or English units. Use one sensor or a group of sensors.

ToughSonic flexibility means you can handle many applications with one model. Enjoy lower life cycle cost with less inventory, reduced setup time and rapid maintenance!

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

Quickly optimize your sensor installation...



then clone it in 3 seconds!

## Easy to Use

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

### 1 Real-Time Graphics

Target symbols, distance data, meter and switch symbols all show measurements proportionally and in real-time. Click a numeric value to revise it, then send it to the sensor!

### 2 Optional Help Tips

#### Parameter Tip

Assistance pops up when you mouse over any screen element or parameter.

Tips have user selected timing, or can be turned off.

## Powerful Setup

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

### 3 Sensor Adjustments

Over 60 functionally organized parameters provide complete control. Calibrate and set features like measure rate, operating range, filters, timeouts and responses to unusual conditions.

### 4 Multi-Sensor Features

Manage sensors by address in a network or SYNC group. Scan and list sensors. Set up a single sensor or batch update selected sensors using Group Control.

## Analyze

Evaluate performance using these extended features...

### 7 Statistics

Click the *Statistics* icon to see the min, max, average, standard deviation and max deviation, continuously or over a selected number of samples.

### 8 Built-in Data Logger

Store time-stamped measurements to a disk file at high or low speed while showing a real-time strip chart. Replay files on the strip chart, or export the data to a spreadsheet.

## View

Click to view the following in repositionable windows...

### 5 Large Display

See measurements from afar with this large numeric display. Resize to your preference, then view the PC screen while working up to 100 feet away.

### 6 Running Strip Chart

View measurement history over time as a one-shot or continuous strip chart. Adjust vertical and horizontal scaling. Turn on sensor filters and check the results – filtered and unfiltered measurements are displayed simultaneously. Or, use data logging for a permanent record.

## 3 Seconds

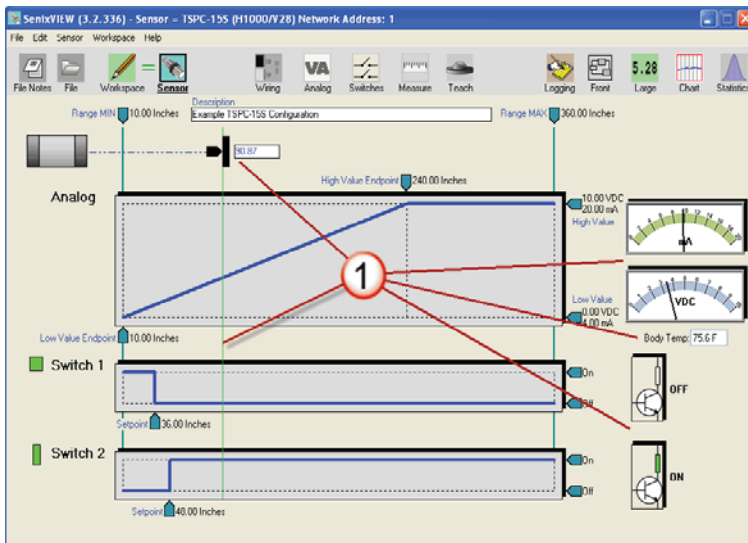
Finished? Click once more for the future...

### 9 Save & Clone

Save the complete sensor configuration plus reminder notes. Need another? Attach a sensor, recall the file, and clone it in 3 seconds – no calibration!

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

*(If you prefer, give us your setup and Senix will ship pre-configured sensors)*



Note: Circled numbers in text (1) correspond to screen image and back page.

800-677-3649 802-453-5522 FAX: 802-453-2549 web: www.senix.com email: sales@senix.com

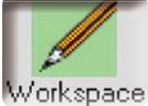


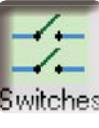

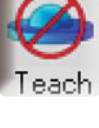
Senix Corporation, 52 Maple St., Bristol, VT 05443 USA

# SenixVIEW™ Sensor Installation Software


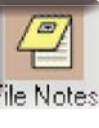
Note: Circled numbers (1) correspond to text on front page.

## Icon Overview

### Sensor Setup

- 3  Workspace
  - ✓ Click to edit sensor parameters
  - ✓ Calibrate output distances
- 3  Wiring
  - ✓ Select switch types
  - ✓ Status indicator features
  - ✓ Outputs (TSPC-30S)
- 3  Analog
  - ✓ Power-up output values
  - ✓ No target output value & delay
  - ✓ No SYNC output values
- 3  Switches
  - ✓ Hysteresis & setpoint modes
  - ✓ On, off & no-target delays
  - ✓ Polarities, power up states
- 3  Measure
  - ✓ Activation modes
  - ✓ Temperature compensation
  - ✓ Sensitivity & filtering
- 3  Teach
  - ✓ Teach button can be either enabled or disabled for security

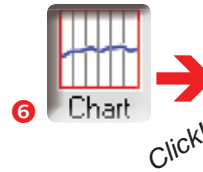
### File Operations

- 9  File
  - ✓ Save sensor setup to disk file
  - ✓ Recall later and clone another
-  File Notes
  - ✓ Add user notes with additional information about your application.

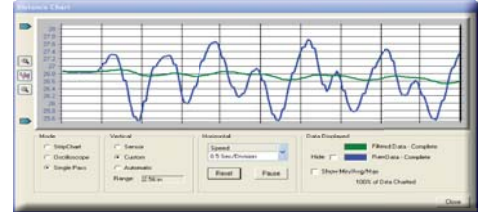


### Real-Time Viewing

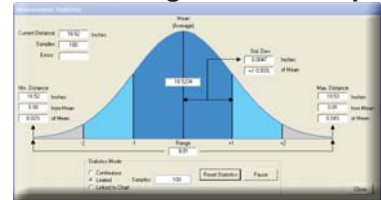
- ✓ Click Sensor to start real-time viewing
- ✓ View real-time distance and outputs
- ✓ Enable real-time features listed below



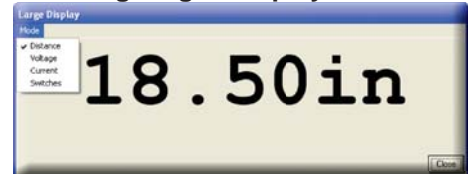
#### View running strip chart display



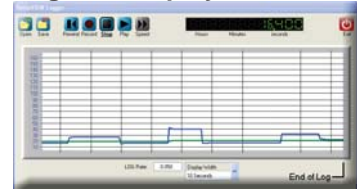
#### View running statistics display



#### View large digits display



#### Log data, replay or view in Excel



## Specifications

<b>Product Compatibility</b>	Senix ToughSonic® TSPC and LVL sensor families
<b>PC Operating System</b>	Windows XP, Vista and Windows 7 compatible
<b>SenixVIEW version</b>	This document applies to SenixVIEW Version 3.2 or later
<b>Interfaces</b>	RS-232, RS-485 or Ethernet (Ethernet requires interface hardware at sensor)
<b>Protocol</b>	Modbus, at 9600, 19200, 38200, 57600 or 115,200 baud, N-8-1
<b>COMom Ports</b>	COM 1 through COM 255; Port loopback verification test included
<b>IP Compatibility</b>	LAN or internet connection to sensors using Modbus over IP
<b>Sensor connection</b>	By sensor address (1 to 247); up to 32 sensors in an RS-485 network
<b>Sensor Groups</b>	Identifies attached sensors by address; multi-sensor parameter transfers
<b>Firmware Updates</b>	Installs firmware updates into sensors