

# SensorVUE: SV-1000

## Software Overview

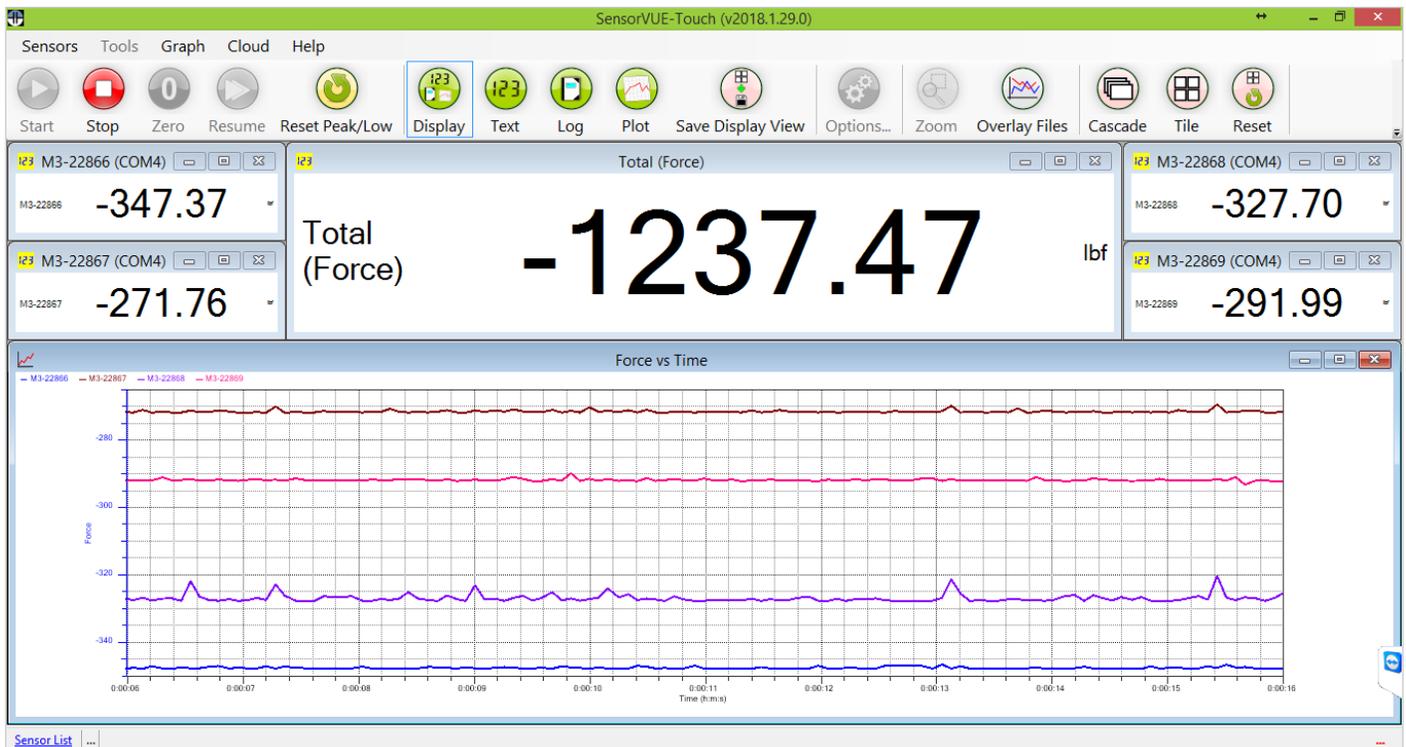
Loadstar Sensors provides easy-to-use software to display or log or plot sensor data easily on a PC or Tablet running Windows 8/10/11. When your application needs customization or features that are not present in any of these standard versions, we will be happy to customize it for you for a nominal cost. Please note that Loadstar software is only compatible with sensors and interfaces offered by Loadstar Sensors.

## SensorVUE - Multiple Channel Software

SensorVUE is a Multi Channel, Multi Sensor Software to Display, Log and Plot Sensor Data from multiple sensors and/or multiple types of sensors on a single Windows 8/10/11 PC or Tablet. For example, you can display force and displacement data simultaneously while logging data to a comma separated value file! SensorVUE can display data from multiple sensors simultaneously.

We recommend at least 16 GB RAM for your PC or Tablet for optimal performance of the SensorVUE software.

Our flagship software works with any of our digital sensors - force/weight, torque, pressure, level and impact force measurement up to 1 kHz data capture rate.



## Description

SensorVUE software enables a user to display, log, and plot data from multiple connected digital sensors on a PC or Tablet simultaneously.

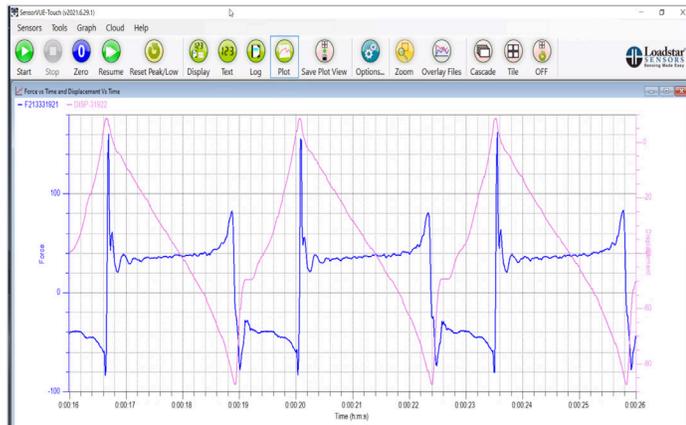
A user can also compute derived values from raw sensor data by simple computations. These derived values can also be displayed, logged, and plotted easily.

The user can setup alerts and alarms that are triggered based on user-defined thresholds.

## Highlights

- Supports Multiple Channels
- Displays Force, Weight, Torque, Pressure, Level data
- Data Rates up to 1 kHz
- Display, Log and Plot Data
- Change Units, Data Capture Rate
- Show Peak and Low Values
- Size and Place Elements as needed
- Includes:
  - Calibration Utility
  - Remote Support
  - Easy Access to Putty & Device Manager

# SensorVUE



**Plot Data**

Raw sensor readings as well as Peak and Low values can be plotted as a X-Y (Force vs. Time) plot. Additional data such as derived values (Formula sensors) as well as averaged and /or median readings can also be plotted to remove unwanted sensor noise, damp vibrations etc.

Time	Elapsed Time (sec)	GR-3456	Peak (GR-3456)	Low (GR-3456)	User Defined
2018-01-22 17:36:58.321	3.022	0.788	1.536	-1.024	Rubber
2018-01-22 17:36:57.320	4.021	0.000	2.816	-1.024	Rubber
2018-01-22 17:36:58.321	5.022	4.352	4.864	-1.024	Rubber
2018-01-22 17:36:59.319	6.020	-0.512	4.864	-1.024	Rubber
2018-01-22 17:37:00.319	7.020	0.256	4.864	-1.024	Rubber
2018-01-22 17:37:01.319	8.020	0.256	4.864	-1.024	Rubber
2018-01-22 17:37:02.321	9.022	-0.512	4.864	-1.024	Rubber
2018-01-22 17:37:03.320	10.021	0.000	4.864	-1.024	Rubber
2018-01-22 17:37:04.319	11.020	0.000	4.864	-1.024	Rubber
2018-01-22 17:37:05.320	12.021	0.000	4.864	-1.024	Felt
2018-01-22 17:37:06.320	13.021	0.000	4.864	-1.024	Felt
2018-01-22 17:37:07.319	14.020	0.000	4.864	-1.024	Felt
2018-01-22 17:37:08.320	15.021	-0.512	4.864	-1.024	Felt
2018-01-22 17:37:09.319	16.020	0.256	4.864	-1.024	Felt
2018-01-22 17:37:10.320	17.021	0.000	4.864	-1.024	Felt
2018-01-22 17:37:11.321	18.022	0.000	4.864	-1.024	Felt
2018-01-22 17:37:12.319	19.020	-0.512	4.864	-1.024	Felt
2018-01-22 17:37:13.321	20.022	-0.512	4.864	-1.024	Felt
2018-01-22 17:37:19.512	26.213	0.000	0.512	-0.512	Steel
2018-01-22 17:37:20.512	27.213	-0.512	0.512	-0.512	Steel
2018-01-22 17:37:21.511	28.212	5.632	7.168	-0.768	Steel
2018-01-22 17:37:22.512	29.213	0.768	7.168	-0.768	Steel
2018-01-22 17:37:23.511	30.212	-0.512	7.168	-0.768	Steel

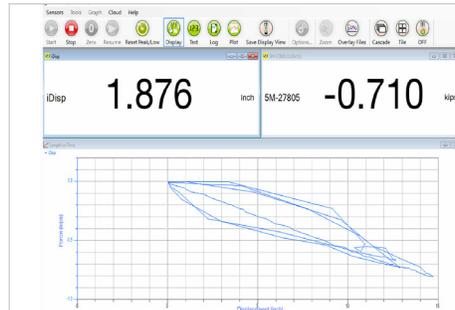
**Log Data**

Data can be logged to Excel compatible CSV files. Depending on the sensor, data logging at different rates can be captured from a drop down list up to a maximum of 1000 Hz. For data rates up to 50 khz use LV-1000HS-10K software.

**Alerts**

Audio alarms can be configured to trigger when specific conditions are met, for example, when load exceeds a specified limit. Emails and/or text messages can be sent when audio alarms are triggered.

You can use this feature during manufacturing operations for e.g. to let a technician know when a certain force threshold has been met.



**Force vs Displacement**

Mix and match different kinds of sensors and display, log and plot all of them within a single interface. It can handle force and displacement sensors simultaneously as shown above. It can not only show multiple force sensors and one displacement sensors as a Value vs. Time plot, but in additional it can also plot Force vs. Displacement plots and allow a user to characterize material properties.

**Formula Sensors**

Combine one or more sensors to create a virtual sensor. Simple formulas (using the 4 basic operations: + - \* /) can be used to create a virtual sensor. For example, if you are using a force sensor and know the area under the force, you can plot the stress by creating a formula Force/Area. You can then log, plot, set alarms, etc. on these virtual sensors just as you would on a real sensor. You can even combine formula sensors to create a new formula sensor.