Wavelength Screen

The Wavelength Screen of the *NuView Software* displays the absolute wavelength, wavenumber, or frequency of the laser under test. Once the application is connected to the instrument, the Wavelength display will update continuously until the connection is terminated.

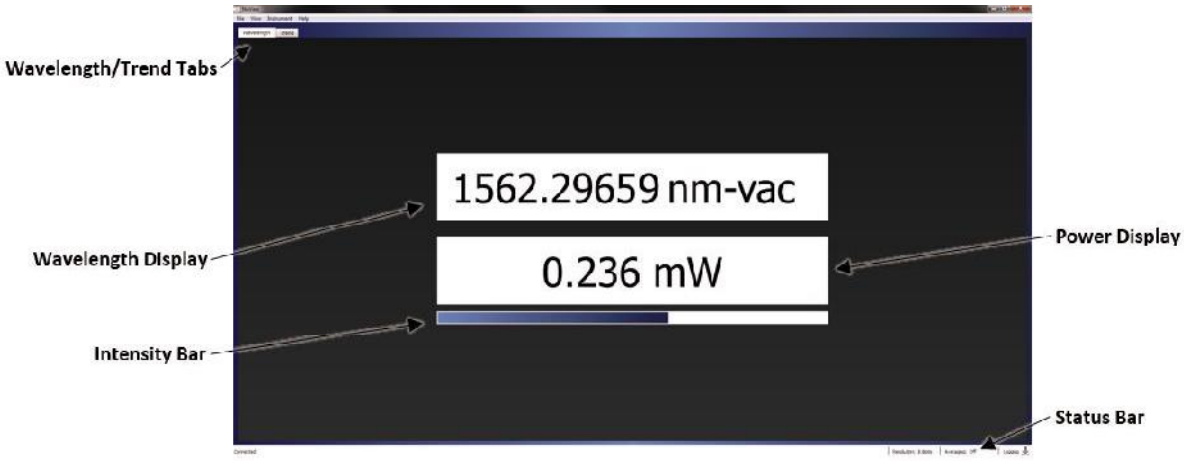

Figure 5.2: Wavelength Screen of VIS and NIR Versions

Wavelength/Trend Tabs

Allows the user to toggle between the Wavelength Screen and the Trend Screen.

Wavelength Display

Displays the absolute wavelength, wavenumber, or frequency of the laser under test. The value given is an intensity weighted average of the laser's spectrum.

Power Display

Displays the absolute power of the laser under test (VIS and NIR models only).

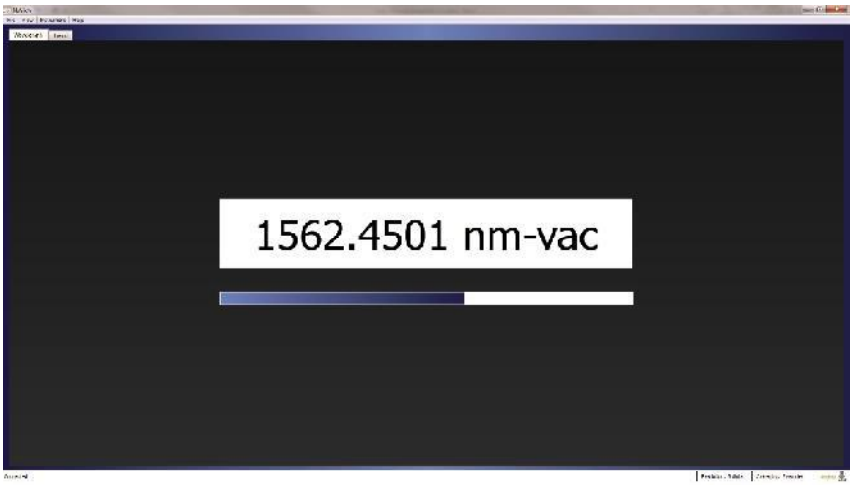

Figure 5.3: Wavelength Screen of IR and MIR Versions

Intensity Meter

Graphically displays the relative intensity of the laser under test.

Status Bar

The Status bar is located at the bottom of the Wavelength Screen and the Trend Screen. It provides information about the current state of the instrument as described below (from left to right).

- **Connection status –** Either connected or disconnected.
- **Resolution –** The Display Resolution setting of the collected data. The options are Auto or a fixed number of digits.
- **Averaging –** Either "Off" or the number of samples being averaged.
- **Logging –** The downloading icon is gray when logging status is inactive, and green when logging status is active.

Figure 5.4: Status Bar

Trend Screen

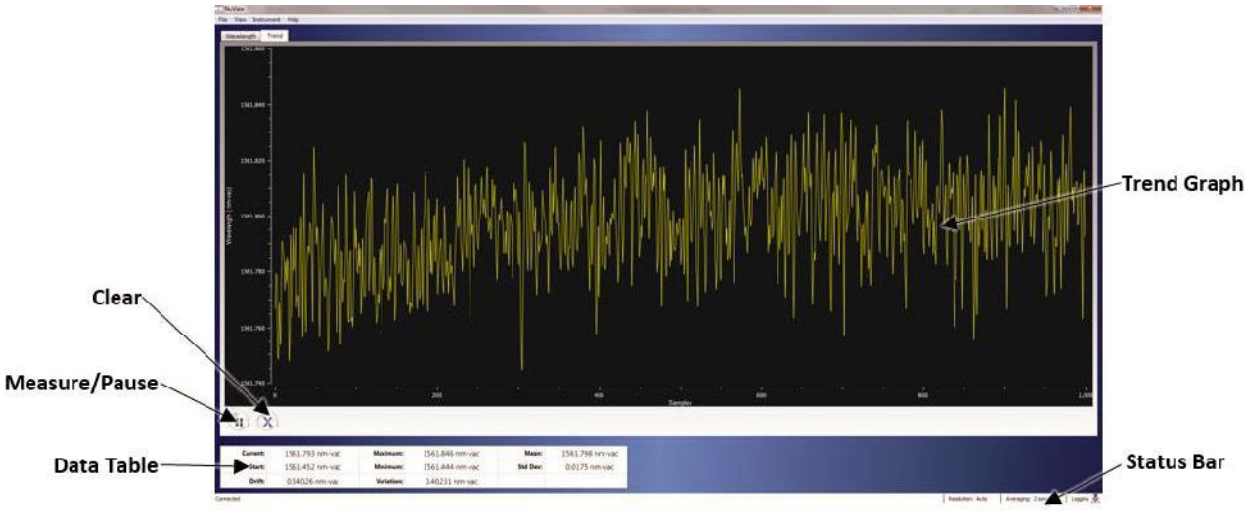

Figure 5.5: Trend Screen

Measure/Pause

Selecting the Measure button (left) initiates data collection. After the Measure button is selected, it changes its appearance to the Pause button (middle). The Trend Graph and Data Table are updated continuously until the Pause button is selected. Selecting the Pause button stops data collection, and the Trend Graph and Data Table display the last measured data. When the instrument is not connected, the Measure button changes its appearance to its greyed-out inactive state (right).

Clear

Selecting the Clear button (left) restarts the Trend Graph and resets the values in the Data Table. When the instrument is not connected, the Clear button changes its appearance to its greyed-out inactive state (right).

Data Table

The Data Table provides current and trending information about the laser's wavelength, frequency or wavenumber.

Current:	1532.8302 nm-vac	**Maximum:**	1532.8306 nm-vac	**Mean:**	1532.8299 nm-vac
Start:	1532.8303 nm-vac	**Minimum:**	1532.8291 nm-vac	**Std Dev:**	0.0003 nm-vac
Drift:	-0.00010 nm-vac	**Variation:**	0.00150 nm-vac		

The first column of the Data Table provides laser drift information. This column displays the current measurement (Current), the first measurement taken after the Trend Graph is started/reset (Start), and the difference between the Current and Start measurements (Drift).

The second column provides the total measured variation of the laser under test. This column displays the maximum and minimum measurements recorded on the Trend Graph (Maximum and Minimum, respectively), and computes the difference between them (Variation).

The third column provides some basic statistical information about the variation of the Trend Graph. This column provides the average (Mean) and standard deviation (Std Dev) of the Trend Graph.