

Vernier – Accessibility Conformance Report WCAG Edition

(Based on VPAT® Version 2.5)

Name of Product/Version: Graphical Analysis App

Report Date: May 2025

Product Description: We offer a full line of award-winning interfaces, sensors, software, and lab books to help engage and excite students through hands-on scientific investigation. Our team of over 100 employees, comprised of many former educators, is committed to creating world-class probeware, software, and lab equipment to utilize in classrooms and laboratories of every level to teach critical scientific concepts, encourage scientific problem-solving, and support a love of science in students and educators alike.

Contact Information: ihonohan@vernier.com

Notes: N/A

Evaluation Methods Used: Evaluation of the product involved a combination of automated, manual, and functional testing against the applicable success criteria within the Web Content Accessibility Guidelines (WCAG) 2.2 Conformance Levels A and AA. Level Access (Level) tested a selection of the product using a representative sample to cover the components and functionality of use flows. Below is a list of the assistive technologies (ATs) used:

- Chrome/NVDA
- Accessible Color Picker
- ZoomText

Applicable Standards/Guidelines

This report covers the degree of conformance for the following accessibility standard/guidelines:

Standard/Guideline	Included in Report
Web Content Accessibility Guidelines 2.0	Level A - Yes Level AA - Yes Level AAA - No
Web Content Accessibility Guidelines 2.1	Level A - Yes Level AA - Yes Level AAA - No
Web Content Accessibility Guidelines 2.2	Level A - Yes Level AA - Yes Level AAA - No

Terms

The terms used in the Conformance Level information are defined as follows:

- **Supports:** The functionality of the product has at least one method that meets the criterion without known defects or meets with equivalent facilitation.
- **Partially Supports:** Some functionality of the product does not meet the criterion.
- **Does Not Support:** The majority of product functionality does not meet the criterion.
- **Not Applicable:** The criterion is not relevant to the product.
- **Not Evaluated:** The product has not been evaluated against the criterion. This can be used only in WCAG Level AAA.

WCAG 2.2 Report

Note: When reporting on conformance with the WCAG 2.2 Success Criteria, they are scoped for full pages, complete processes, and accessibility-supported ways of using technology as documented in the [WCAG 2.2 Conformance Requirements](#).

Table 1: Success Criteria, Level A

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A)	Partially Supports	<p>Most non-text content presented to the user in the product has text alternatives that serve the equivalent purpose. Exceptions include:</p> <ul style="list-style-type: none">• Images have insufficiently descriptive textual equivalents. Location: Graphical Analysis Initial Modal• Modal dialogs allow screen reader access to elements behind the dialog in backward navigation. Location: Data Sharing – Join• Visually hidden content can still be accessed by keyboard or screen reader users. Location: Add a Calculated Column, Column Options, Manual Data Entry
1.2.1 Audio-only and Video-only (Prerecorded) (Level A)	Supports	The product does not contain prerecorded audio-only or video-only media.
1.2.2 Captions (Prerecorded) (Level A)	Supports	The product does not contain any prerecorded synchronized media (video with audio) that requires captions.

Criteria	Conformance Level	Remarks and Explanations
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A)	Supports	The product does not contain any prerecorded video media that requires audio descriptions or a media alternative.
1.3.1 Info and Relationships (Level A)	Does Not Support	<p>The product does not consistently ensure information, structure and relationships conveyed through presentation can also be determined programmatically or through text. Examples include:</p> <ul style="list-style-type: none"> • Inline errors and instructions are not programmatically associated with their corresponding fields. Location: Data Sharing – Join, Events with Entry modal • Visually grouped form controls are not programmatically grouped. Location: Graph, Add a Calculated Column, Column Options, Sensor Data Collection • Content functions as a heading but does not use correct heading markup. Location: Graph • Content that appears as a list but does not use list markup. Location: Graph • Data tables do not use table markup. Location: Data Table, Meters, Video, Notes, Sensor Data Collection, Manual Data Entry
1.3.2 Meaningful Sequence (Level A)	Support	The product ensures that a correct reading order can be programmatically determined for content whose presentation sequence affects its meaning.

Criteria	Conformance Level	Remarks and Explanations
1.3.3 Sensory Characteristics (Level A)	Support	The product does not contain instructions that rely solely on sensory characteristics such as shape, size, visual location, or sound.
1.4.1 Use of Color (Level A)	Partially Supports	<p>In most instances, the product does not use color as the only visual means of conveying information, indicating an action, or prompting a response. Exceptions include:</p> <ul style="list-style-type: none"> Content uses color alone to visually indicate information. Location: Graph, Add a Calculated Column, Events with Entry modal
1.4.2 Audio Control (Level A)	Supports	Audio content in the product that plays automatically can be muted, paused, or stopped using a control near the top of the [page/screen], and/or allows the user to control the volume independently of system audio.

Criteria	Conformance Level	Remarks and Explanations
2.1.1 Keyboard (Level A)	Partially Supports	<p>In most instances, the product ensures that interactive content and functionality is accessible and operable using a keyboard or keyboard emulator. Exceptions include:</p> <ul style="list-style-type: none"> Interactive controls cannot be navigated to and/or operated with the keyboard alone. Location: Graphical Analysis Initial Modal, Graph, Data Table, Meters, Video, Notes, Sensor Data Collection, Manual Data Entry
2.1.2 No Keyboard Trap (Level A)	Supports	Where a component can receive keyboard focus, the product allows focus to be moved away using only the keyboard.
2.1.4 Character Key Shortcuts (Level A 2.1 only)	Supports	The product does not use character key shortcuts.
2.2.1 Timing Adjustable (Level A)	Supports	The product does not contain time-limited or time-dependent content.
2.2.2 Pause, Stop, Hide (Level A)	Supports	The product does not contain content that moves, blinks, scrolls, or auto-updates.
2.3.1 Three Flashes or Below Threshold (Level A)	Supports	The product does not contain flashing content.

Criteria	Conformance Level	Remarks and Explanations
2.4.1 Bypass Blocks (Level A)	Supports	The product provides skip links and other mechanisms to bypass blocks of content repeated on multiple pages.
2.4.2 Page Titled (Level A)	Supports	Pages of the product provide titles that adequately describe their topic or purpose.

Criteria	Conformance Level	Remarks and Explanations
2.4.3 Focus Order (Level A)	Partially Supports	<p>In most instances, screens of the product can be navigated sequentially with a focus order that matches the logical reading order. Exceptions include:</p> <ul style="list-style-type: none"> • Dialogs have many focus issues – they do not receive focus when they appear, focus does not remain trapped inside, or after closing, focus does not return to the triggering element. Location: Data Sharing – Join, Graph, Graph Header and Footer, Events with Entry modal, Manual Data Entry • After submitting a form when inline errors are present, focus does not move to the first field in error. Location: Data Sharing – Join • The focus order is illogical. Location: Graph Header and Footer, Manual Data Entry • After activating element "Other options", Focus is not directed to the element of the expanded section using the keyboard. Location: Manual Data Entry
2.4.4 Link Purpose (In Context) (Level A)	Supports	The product ensures that the purpose of links can be determined from the link text alone or in combination with the surrounding or programmatic context.

Criteria	Conformance Level	Remarks and Explanations
2.5.1 Pointer Gestures (Level A 2.1 only)	Supports	The product does not require multipoint or path-based gestures for operation.
2.5.2 Pointer Cancellation (Level A 2.1 only)	Supports	The product ensures that functionality on pointer down-event is completed only when the user releases the pointer or allows the user to abort and undo the action.
2.5.3 Label in Name (Level A 2.1 only)	Partially Supports	<p>In most instances, the product ensures that when interface components have visual labels that include text, the provided accessible name contains the visually presented text. Exceptions include:</p> <ul style="list-style-type: none"> Controls have accessible names that do not include the text of their visual labels. Location: Data Sharing – Join, Graph Header and Footer, Sensor Data Collection, Events with Entry modal
2.5.4 Motion Actuation (Level A 2.1 only)	Supports	The product does not contain functionality that requires device motion or user motion.

Criteria	Conformance Level	Remarks and Explanations
3.1.1 Language of Page (Level A)	Supports	The product ensures that the default human language used on each page can be programmatically determined.
3.2.1 On Focus (Level A)	Supports	The product ensures that interface components do not initiate a change of context when receiving focus.
3.2.2 On Input (Level A)	Supports	The product ensures that interactive components do not initiate a change in context when the component setting is changed unless followed by an explicit user action such as activation of a button or link.
3.2.6 Consistent Help (Level A 2.2 only)	Supports	Help mechanisms occur in the same order relative to other page content in the product.
3.3.1 Error Identification (Level A)	Supports	Where the product automatically detects input errors, the item or field in error is identified and the error is described to the user in text.

Criteria	Conformance Level	Remarks and Explanations
3.3.2 Labels or Instructions (Level A)	Partially Supports	<p>In most instances, where user input is required, the product presents adequate labels or instructions for successfully providing that input. Exceptions include:</p> <ul style="list-style-type: none"> • Form fields rely on the placeholder attribute to supply their accessible name. Location: Data Sharing – Join • Form fields without persistent visual labels. Location: Graph, Graph Header and Footer, Data Table, Meters, Video, Notes
3.3.7 Redundant Entry (Level A 2.2 only)	Supports	The product does not request redundant user-entered information in multi-step processes.
4.1.1 Parsing (Level A)	Does Not Apply	Does Not Apply

Criteria	Conformance Level	Remarks and Explanations
4.1.2 Name, Role, Value (Level A)	Does Not Support	<p>Significant and critical portions of the product contain user interface components whose name, role, state, and value cannot be programmatically determined. Examples include:</p> <ul style="list-style-type: none"> Some controls, such as button, tabs checkboxes, accordions and radio buttons, do not provide appropriate name, role, and state information. Location: Data Sharing – Join, Graph, Graph Header and Footer, Add a Calculated Column, Column Options, Data Table, Meters, Video, Notes, Sensor Data Collection, Data Sharing - Start Session, Events with Entry modal, Manual Data Entry

Table 2: Success Criteria, Level AA

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA)	Supports	The product does not contain any live synchronized media (video with audio) that requires real-time captioning.
1.2.5 Audio Description (Prerecorded) (Level AA)	Supports	The product does not contain any prerecorded synchronized media (video with audio) that requires audio descriptions.
1.3.4 Orientation (Level AA 2.1 only)	Supports	The product does not restrict its view and operation to a single display orientation, such as portrait or landscape.
1.3.5 Identify Input Purpose (Level AA 2.1 only)	Supports	The product ensures that the purpose of input fields that request information about the user, such as name or email, can be programmatically determined.

Criteria	Conformance Level	Remarks and Explanations
1.4.3 Contrast (Minimum) (Level AA)	Partially Supports	<p>In most instances, the visual presentation of text and images of text in the product provides a contrast ratio of at least 4.5:1 against adjacent colors. Exceptions include:</p> <ul style="list-style-type: none"> Text does not meet the required minimum color contrast ratio with its background. Location: Events with Entry modal
1.4.4 Resize text (Level AA)	Partially Supports	<p>In most instances, the product allows text to be resized without assistive technology up to 200 percent without loss of content or functionality. Exceptions include:</p> <ul style="list-style-type: none"> The page has a <meta name="viewport"> element with a maximum-scale attribute set to less than 2 or a user-scalable attribute set to no. Location: Graphical Analysis Initial Modal
1.4.5 Images of Text (Level AA)	Supports	Except for logos, the product uses text instead of images of text.

Criteria	Conformance Level	Remarks and Explanations
1.4.10 Reflow (Level AA 2.1 only)	Partially Supports	<p>In most instances, pages of the product allow for resizing to a minimum width of 320 CSS pixels or vertical height of 256 CSS pixels without loss of content or functionality, and without requiring scrolling in two dimensions. Exceptions include:</p> <ul style="list-style-type: none"> Content disappears, overlaps, is cut off, or requires horizontal scrolling to view when the page has a viewport width of 320 CSS pixels. Location: Data Table, Meters, Video, Notes
1.4.11 Non-text Contrast (Level AA 2.1 only)	Supports	Visual presentation of non-text content in the product has a contrast ratio of at least 3:1 against adjacent color(s).
1.4.12 Text Spacing (Level AA 2.1 only)	Partially Supports	<p>In most instances, the product supports user changes in text style properties, such as line height or text spacing, without loss of content or functionality. Exceptions include:</p> <ul style="list-style-type: none"> Content disappears, overlaps, or is cut off when viewing the page with custom text spacing. Location: Data Table, Meters, Video, Notes, Sensor Data Collection

Criteria	Conformance Level	Remarks and Explanations
1.4.13 Content on Hover or Focus (Level AA 2.1 only)	Supports	Content in the product that is triggered by hover or focus remains visible while triggered, remains visible while moving the pointer over it, and can be dismissed without moving the pointer or changing focus if it obscures other content.
2.4.5 Multiple Ways (Level AA)	Supports	The product provides multiple ways to navigate through pages in the product.
2.4.6 Headings and Labels (Level AA)	Supports	The product uses headings and labels that describe their topic or purpose.
2.4.7 Focus Visible (Level AA)	Supports	The product provides a visible indication of keyboard focus for elements on each page.
2.4.11 Focus Not Obscured (Minimum) (Level AA 2.2 only)	Supports	When user interface components receive keyboard focus they are, at minimum, partially visible.
2.5.7 Dragging Movements (Level AA 2.2 only)	Supports	The product does not contain focusable elements requiring a visible focus indicator.
2.5.8 Target Size (Minimum) (Level AA 2.2 only)	Supports	The size of targets in the product meet the requirements of this criterion.

Criteria	Conformance Level	Remarks and Explanations
3.1.2 Language of Parts (Level AA)	Supports	Pages of the product present content in a single language.
3.2.3 Consistent Navigation (Level AA)	Supports	The product ensures that navigational mechanisms repeated across the product are presented consistently and in the same relative order.
3.2.4 Consistent Identification (Level AA)	Supports	The product ensures that components with the same functionality are identified consistently across pages of the product.
3.3.3 Error Suggestion (Level AA)	Supports	Where the product automatically detects input errors and provides error messages, the product also provides suggestions for correcting each error.
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)	Supports	The product does not cause financial transactions or legal commitments to occur. User-controllable data is checked before submission and can be reversed or revised after submission.
3.3.8 Accessible Authentication (Minimum) (Level AA 2.2 only)	Supports	The product does not require an authentication process.
4.1.3 Status Messages (Level AA 2.1 only)	Supports	When status messages appear, the product automatically provides those messages to assistive technology without requiring focus.