# Vernier Software & Technology

# Accessibility Conformance Report

# Revised Section 508 Edition – VPAT® Version 2.4

## Name of Product/Version: LabQuest 2 – Model: LQ2-LE

## Product Description: Sensor interface and data-collection platform for Vernier sensors

## Report Date: June 15, 2020

## Contact Information: [support@vernier.com](mailto:support@vernier.com)

## Notes: For Visually Impaired users, we recommend the [SciVoice Talking LabQuest version 2](http://independencescience.com/talking-lab-quest-2/) available from Independence Science. The Talking LabQuest 2 is a LabQuest 2 unit running specialized software that adds the talking functionality to the device. The SciVoice Talking LabQuest 2 is used with a USB keyboard. While any LabQuest 2 unit can use this software, the software is only sold by Independence Science.

## For more information, contact Independence Science at 1-866-862-9665 or visit their web site <http://independencescience.com>.

## For Limited Vision users there are two options:

## [SciVoice Talking LabQuest version 2](http://independencescience.com/talking-lab-quest-2/) available from Independence Science (see above).

## [LabQuest Viewer computer software](https://www.vernier.com/lq-view), which allows the visual display of a LabQuest 2 to appear on a computer’s monitor for viewing an enlarged screen image. The LabQuest Viewer computer software is sold separately.

## Evaluation Methods Used: Testing is based on general product knowledge.

## Applicable Standards/Guidelines

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

|  |
| --- |
| Standard/Guideline |
| [Revised Section 508 standards published January 18, 2017 and corrected January 22, 2018](https://www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-ict-refresh/final-rule/text-of-the-standards-and-guidelines) |

Notes: Web Content Accessibility Guidelines (WCAG 2.0) are not included in this report as this device does not use web-based content.

## 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.

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## Revised Section 508 Report

### Chapter 3: [Functional Performance Criteria](https://www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-ict-refresh/final-rule/text-of-the-standards-and-guidelines#302-functional-performance-criteria) (FPC)

| **Criteria** | **Conformance Level** | **Remarks and Explanations** |
| --- | --- | --- |
| 302.1Without Vision | Supports | With [SciVoice Talking LabQuest version 2](http://independencescience.com/talking-lab-quest-2/) |
| 302.2 With Limited Vision | Supports | With [SciVoice Talking LabQuest version 2](http://independencescience.com/talking-lab-quest-2/) or [LabQuest Viewer computer software](https://www.vernier.com/lq-view) |
| 302.3Without Perception of Color | Supports | High Contrast Mode, which reduces the use of color on the device, is accessed through the Light & Power preference. |
| 302.4Without Hearing | Supports | Perception of sound is not required to use this unit. |
| 302.5With Limited Hearing | Supports | Perception of sound is not required to use this unit. |
| 302.6Without Speech | Supports | Speech is not used for input. |
| 302.7With Limited Manipulation | Supports | Any unit can be used with a USB keyboard for more refined control when needed. Also, any unit can be used with [LabQuest Viewer computer software](https://www.vernier.com/lq-view) with a large touch screen display for touch or mouse interactions when fine-motor skills are limited. |
| 302.8With Limited Reach and Strength | Supports | Reach and Strength are not required when using this product. |
| 302.9With Limited Language, Cognitive, and Learning Abilities | Partially Supports | This unit can be used by K-5 level students with general support from an instructor. |

### Chapter 4: [Hardware](https://www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-ict-refresh/final-rule/text-of-the-standards-and-guidelines#401-general)

| **Criteria** | **Conformance Level** | **Remarks and Explanations** |
| --- | --- | --- |
| [***402 Closed Functionality***](https://www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-ict-refresh/final-rule/text-of-the-standards-and-guidelines#402-closed-functionality) | Heading cell – no response required | Heading cell – no response required |
| ***402.1 General*** | Heading cell – no response required | Heading cell – no response required |
| ***402.2 Speech-Output Enabled*** | Heading cell – no response required | Heading cell – no response required |
| 402.2.1 Information Displayed On-Screen | Supports | With [SciVoice Talking LabQuest version 2](http://independencescience.com/talking-lab-quest-2/) |
| 402.2.2 Transactional Outputs | Supports | With [SciVoice Talking LabQuest version 2](http://independencescience.com/talking-lab-quest-2/) |
| 402.2.3 Speech Delivery Type and Coordination | Supports | With [SciVoice Talking LabQuest version 2](http://independencescience.com/talking-lab-quest-2/) |
| 402.2.4 User Control | Supports | With [SciVoice Talking LabQuest version 2](http://independencescience.com/talking-lab-quest-2/) |
| 402.2.5 Braille Instructions | Supports | With [SciVoice Talking LabQuest version 2](http://independencescience.com/talking-lab-quest-2/) |
| ***402.3 Volume*** | Heading cell – no response required | Heading cell – no response required |
| 402.3.1 Private Listening | Supports | Volume controls are set in the preferences. |
| 402.3.2 Non-private Listening | Partially Supports | Audio levels are adjusted manually only. Volume levels persist when the device is turned off. |
| 402.4 Characters on Display Screens | Does Not Support | The large screen display is Supports when used with [LabQuest Viewer computer software](https://www.vernier.com/lq-view) running on a computer that is utilizing a large screen display. |
| 402.5 Characters on Variable Message Signs | Not Applicable | Variable Message Signs are not used with this product. |
| [***403 Biometrics***](https://www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-ict-refresh/final-rule/text-of-the-standards-and-guidelines#403-biometrics) | Heading cell – no response required | Heading cell – no response required |
| 403.1 General | Not Applicable | Biometrics are not used with this device. |
| [***404 Preservation of Information Provided for Accessibility***](https://www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-ict-refresh/final-rule/text-of-the-standards-and-guidelines#404-preservation-information) | Heading cell – no response required | Heading cell – no response required |
| 404.1 General | Supports | Accessibility data is not transmitted by this device. |
| [***405 Privacy***](https://www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-ict-refresh/final-rule/text-of-the-standards-and-guidelines#405-privacy) | Heading cell – no response required | Heading cell – no response required |
| 405.1 General | Supports | [SciVoice Talking LabQuest version 2](http://independencescience.com/talking-lab-quest-2/) supports talking while screen is displayed |
| [***406 Standard Connections***](https://www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-ict-refresh/final-rule/text-of-the-standards-and-guidelines#406-standard-connections) | Heading cell – no response required | Heading cell – no response required |
| 406.1 General | Supports | All connectors on the device are industry standard connectors. |
| [***407 Operable Parts***](https://www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-ict-refresh/final-rule/text-of-the-standards-and-guidelines#407-operable-parts) | Heading cell – no response required | Heading cell – no response required |
| 407.2 Contrast | Supports | High Contrast Mode is available with [SciVoice Talking LabQuest version 2](http://independencescience.com/talking-lab-quest-2/) (toggled on/off using F11 key on keyboard) There is also a High contrast mode accessed through the Light & Power preference on any LabQuest 2. |
| ***407.3 Input Controls*** | Heading cell – no response required | Heading cell – no response required |
| 407.3.1 Tactilely Discernible | Supports | With external USB keyboard, not included |
| 407.3.2 Alphabetic Keys | Supports | With external USB keyboard, not included |
| 407.3.3 Numeric Keys | Supports | With external USB keyboard, not included |
| 407.4 Key Repeat | Supports | With external USB keyboard, not included |
| 407.5 Timed Response | Not Applicable | Timed responses are not required. |
| 407.6 Operation | Not Applicable | Tight grasping, pinching or twisting of wrist is not required to use this product. |
| 407.7 Tickets, Fare Cards, and Keycards | Not Applicable | Tickets, Fare Cards, and Keycards are not used with this product. |
| 407.8 Reach Height and Depth | Not Applicable | This is a mobile device. |
| [***408 Display Screens***](https://www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-ict-refresh/final-rule/text-of-the-standards-and-guidelines#408-display-screens) | Heading cell – no response required | Heading cell – no response required |
| 408.2 Visibility | Not Applicable | This is a mobile device. |
| 408.3 Flashing | Not Applicable | The screen display does not flash to provide information to the user. |
| [***409 Status Indicators***](https://www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-ict-refresh/final-rule/text-of-the-standards-and-guidelines#409-status-indicators) | Heading cell – no response required | Heading cell – no response required |
| 409.1 General | Supports | Power on/off is indicated by lighted display screen with an option to provide audio indication from the Audio preferences. |
| [***410 Color Coding***](https://www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-ict-refresh/final-rule/text-of-the-standards-and-guidelines#410-color-coding) | Heading cell – no response required | Heading cell – no response required |
| 410.1 General | Supports | Color is not the only indicator used for display of information on this device. |
| [***411 Audible Signals***](https://www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-ict-refresh/final-rule/text-of-the-standards-and-guidelines#411-audible-signals) | Heading cell – no response required | Heading cell – no response required |
| 411.1 General | Supports | [SciVoice Talking LabQuest version 2](http://independencescience.com/talking-lab-quest-2/) uses sonification tools to communicate with the user. In particular, they are used to communicate what the Cartesian graphs of collected data look like. Other visual and audio indicators are used as well. |
| [***412 ICT with Two-Way Voice Communication***](https://www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-ict-refresh/final-rule/text-of-the-standards-and-guidelines#412-two-way-communication) | Not Applicable | This device does not support two-way voice communication. |
| [***413 Closed Caption Processing Technologies***](https://www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-ict-refresh/final-rule/text-of-the-standards-and-guidelines#413-closed-caption) | Not Applicable | This device does not display videos with synchronized audio. |
| [***414 Audio Description Processing Technologies***](https://www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-ict-refresh/final-rule/text-of-the-standards-and-guidelines#414-audio-description) | Not Applicable | This device does not display videos with synchronized audio. |
| [***415 User Controls for Captions and Audio Descriptions***](https://www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-ict-refresh/final-rule/text-of-the-standards-and-guidelines#415-user-controls-captions-audio-descriptions) | Not Applicable | This device does not display videos with synchronized audio. |

### Chapter 5: [Software](https://www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-ict-refresh/final-rule/text-of-the-standards-and-guidelines#501-general)

Notes: LabQuest 2 is a hardware product. Specialized accessibility software is not included with this unit. [SciVoice Talking LabQuest version 2](http://independencescience.com/talking-lab-quest-2/) with accessibility software is available from Independence Science. Call them at 1-866-862-9665 or visit their web site <http://independencescience.com>.

### Chapter 6: [Support Documentation and Services](https://www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-ict-refresh/final-rule/text-of-the-standards-and-guidelines#601-general)

**Notes:** Support documentation and services for the [SciVoice Talking LabQuest version 2](http://independencescience.com/talking-lab-quest-2/) are available from Independence Science. For more information, contact Independence Science at 1-866-862-9665 or visit their web site <http://independencescience.com>.

| **Criteria** | **Conformance Level** | **Remarks and Explanations** |
| --- | --- | --- |
| ***601.1 Scope*** | Heading cell – no response required | Heading cell – no response required |
| [***602 Support Documentation***](https://www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-ict-refresh/final-rule/text-of-the-standards-and-guidelines#602-support-documentation) | Heading cell – no response required | Heading cell – no response required |
| 602.2 Accessibility and Compatibility Features | Supports | With [SciVoice Talking LabQuest version 2](http://independencescience.com/talking-lab-quest-2/). The SciVoice Talking LabQuest user manual is found by accessing the Science Resources folder from the LabQuest App Lab Instructions view. |
| 602.3 Electronic Support Documentation | See [WCAG 2.0](#WCAG) section | See information in WCAG 2.0 section |
| 602.4 Alternate Formats for Non-Electronic Support Documentation | Supports | Support documentation is provided in electronic format. |
| [***603 Support Services***](https://www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-ict-refresh/final-rule/text-of-the-standards-and-guidelines#603-support-services) | Heading cell – no response required | Heading cell – no response required |
| 603.2 Information on Accessibility and Compatibility Features | Supports | Support services for the [SciVoice Talking LabQuest version 2](http://independencescience.com/talking-lab-quest-2/) are available from Independence Science. |
| 603.3 Accommodation of Communication Needs | Supports | Support services for the [SciVoice Talking LabQuest version 2](http://independencescience.com/talking-lab-quest-2/) are available from Independence Science. |