

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

Notes: For Visually Impaired users, we recommend the [SciVoice Talking LabQuest version 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:

- 1) [SciVoice Talking LabQuest version 2](#) available from Independence Science (see above).
- 2) [LabQuest Viewer computer software](#), 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

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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Chapter 3: [Functional Performance Criteria \(FPC\)](#)

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Supports	With SciVoice Talking LabQuest version 2
302.2 With Limited Vision	Supports	With SciVoice Talking LabQuest version 2 or LabQuest Viewer computer software
302.3 Without Perception of Color	Supports	High Contrast Mode, which reduces the use of color on the device, is accessed through the Light & Power preference.
302.4 Without Hearing	Supports	Perception of sound is not required to use this unit.
302.5 With Limited Hearing	Supports	Perception of sound is not required to use this unit.
302.6 Without Speech	Supports	Speech is not used for input.
302.7 With 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 with a large touch screen display for touch or mouse interactions when fine-motor skills are limited.
302.8 With Limited Reach and Strength	Supports	Reach and Strength are not required when using this product.
302.9 With 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](#)

Criteria	Conformance Level	Remarks and Explanations
402 Closed Functionality		
402.1 General		
402.2 Speech-Output Enabled		
402.2.1 Information Displayed On-Screen	Supports	With SciVoice Talking LabQuest version 2
402.2.2 Transactional Outputs	Supports	With SciVoice Talking LabQuest version 2
402.2.3 Speech Delivery Type and Coordination	Supports	With SciVoice Talking LabQuest version 2
402.2.4 User Control	Supports	With SciVoice Talking LabQuest version 2
402.2.5 Braille Instructions	Supports	With SciVoice Talking LabQuest version 2
402.3 Volume		
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 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		
403.1 General	Not Applicable	Biometrics are not used with this device.
404 Preservation of Information Provided for Accessibility		
404.1 General	Supports	Accessibility data is not transmitted by this device.
405 Privacy		
405.1 General	Supports	SciVoice Talking LabQuest version 2 supports talking while screen is displayed
406 Standard Connections		

Criteria	Conformance Level	Remarks and Explanations
406.1 General	Supports	All connectors on the device are industry standard connectors.
<u>407 Operable Parts</u>		
407.2 Contrast	Supports	High Contrast Mode is available with SciVoice Talking LabQuest version 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.
<u>407.3 Input Controls</u>		
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.
<u>408 Display Screens</u>		
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.
<u>409 Status Indicators</u>		
409.1 General	Supports	Power on/off is indicated by lighted display screen with an option to provide audio indication from the Audio preferences.
<u>410 Color Coding</u>		

Criteria	Conformance Level	Remarks and Explanations
410.1 General	Supports	Color is not the only indicator used for display of information on this device.
<u>411 Audible Signals</u>		
411.1 General	Supports	<u>SciVoice Talking LabQuest version 2</u> 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.
<u>412 ICT with Two-Way Voice Communication</u>	Not Applicable	This device does not support two-way voice communication.
<u>413 Closed Caption Processing Technologies</u>	Not Applicable	This device does not display videos with synchronized audio.
<u>414 Audio Description Processing Technologies</u>	Not Applicable	This device does not display videos with synchronized audio.
<u>415 User Controls for Captions and Audio Descriptions</u>	Not Applicable	This device does not display videos with synchronized audio.

Chapter 5: [Software](#)

Notes: LabQuest 2 is a hardware product. Specialized accessibility software is not included with this unit. [SciVoice Talking LabQuest version 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](#)

Notes: Support documentation and services for the [SciVoice Talking LabQuest version 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		
602 Support Documentation		
602.2 Accessibility and Compatibility Features	Supports	With SciVoice Talking LabQuest version 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 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		
603.2 Information on Accessibility and Compatibility Features	Supports	Support services for the SciVoice Talking LabQuest version 2 are available from Independence Science.
603.3 Accommodation of Communication Needs	Supports	Support services for the SciVoice Talking LabQuest version 2 are available from Independence Science.