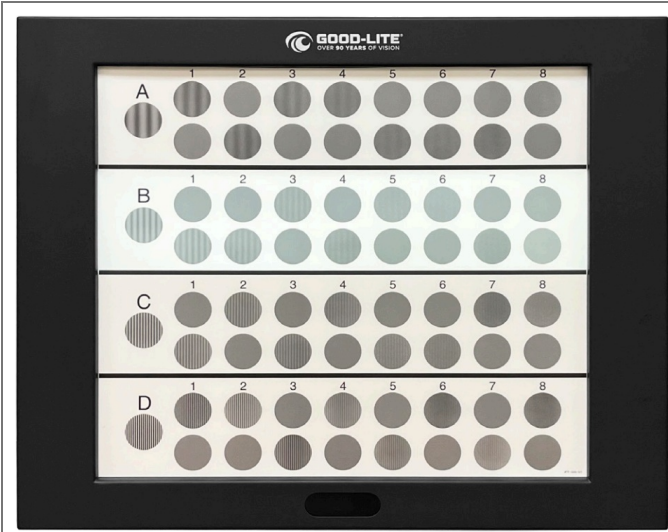




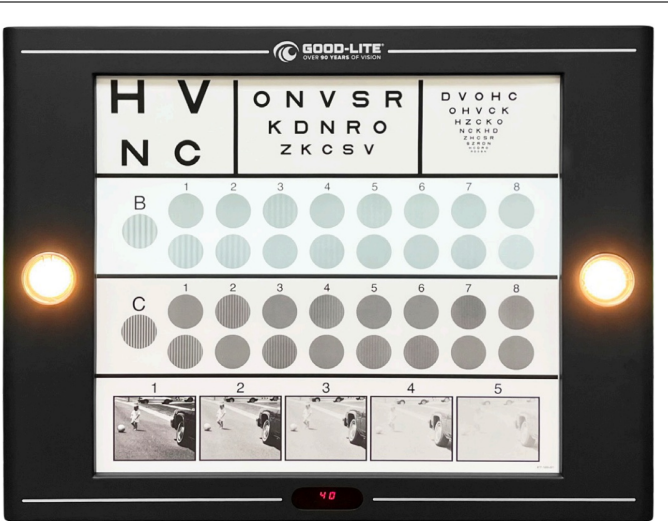
GOOD-LITE CSV1000 HG Test Instrument Viewer Instructions

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GOOD-LITE® OVER 90 YEARS OF VISION CSV1000 USER GUIDE



CSV1000



CSV1000

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Introduction

CONGRATULATIONS on your purchase of the standardized CSV1000 (HG) vision testing instrument . The device is CE marked and RoHS compliant.

PLEASE READ THIS GUIDE CAREFULLY BEFORE USING YOUR CSV1000 (HG) INSTRUMENT. SAVE THIS GUIDE FOR FUTURE REFERENCE. FAILURE TO FOLLOW THE GUIDES, WARNINGS AND CAUTIONS MAY RESULT IN SERIOUS PERSONAL INJURY, PROPERTY DAMAGE AND/OR MAY VOID THE WARRANTY.

Service & Important Safeguards

Service Information

WARNING: Any repairs requiring disassembly should be performed by Good-Lite personnel.

There are no user serviceable parts except for two (2) halogen glare lamps and the battery in the remote control.

WARNING: To reduce the risk of fire, electrical shock, injury, or damage to the instrument, please observe the following:

Do not use if instrument is damaged in any way.

Use this instrument only for its intended purpose as a standardized vision test . Never leave the CSV1000 (HG) plugged in during long term storage.

Never insert or drop objects into any opening or crevice in the instrument.

Do not use on or near hot surfaces.

Only use the power cord supplied with the instrument . Do not use this power cord with any other instrument.

To protect against risk of electrical shock, do not put the power cord in water or other liquid.

Do not allow the power cord to hang over the edge of a table or touch hot surfaces.

Do not operate if power cord is damaged.

If the instrument is not functioning normally or has been dropped or damaged in any way, return to Good-Lite for repair or replacement.

Product Specifications

Input Voltage: 100VAC – 240VAC, 47-63Hz

Light Source – Glare (CSV1000 HG Only):

12v20w BAB/CG MR16

Dimensions:

CSV1000 = 25 .75"W x 21"H x 3 .9375"D
(65 .40 cm x 53 .34 cm x 10 cm)
CSV1000 HG= 27 .4375"W x 21"H x 3 .9375"D
(69 .69 cm x 53 .34 cm x 10 cm)
Weight: 30 lbs (13 .6 kgs)

Calibration of the CSV1000 & CSV1000 HG

Calibration of the instrument is performed at the factory before it is shipped to the user. The back light sources are calibrated to provide a light level at the testing surface of 85 cd/m². The glare source is calibrated so that the glare intensity simulates a pair of oncoming halogen car headlights as viewed from a distance of 150 feet.

Calibration of the instrument by the user is not advised and may invalidate the warranty. The user can change the intensity of the glare sources during testing. If the user chooses to change the glare intensity from the calibrated factory level, it is recommended that the user record the glare source intensity as indicated by the digital read out on the front of the instrument.

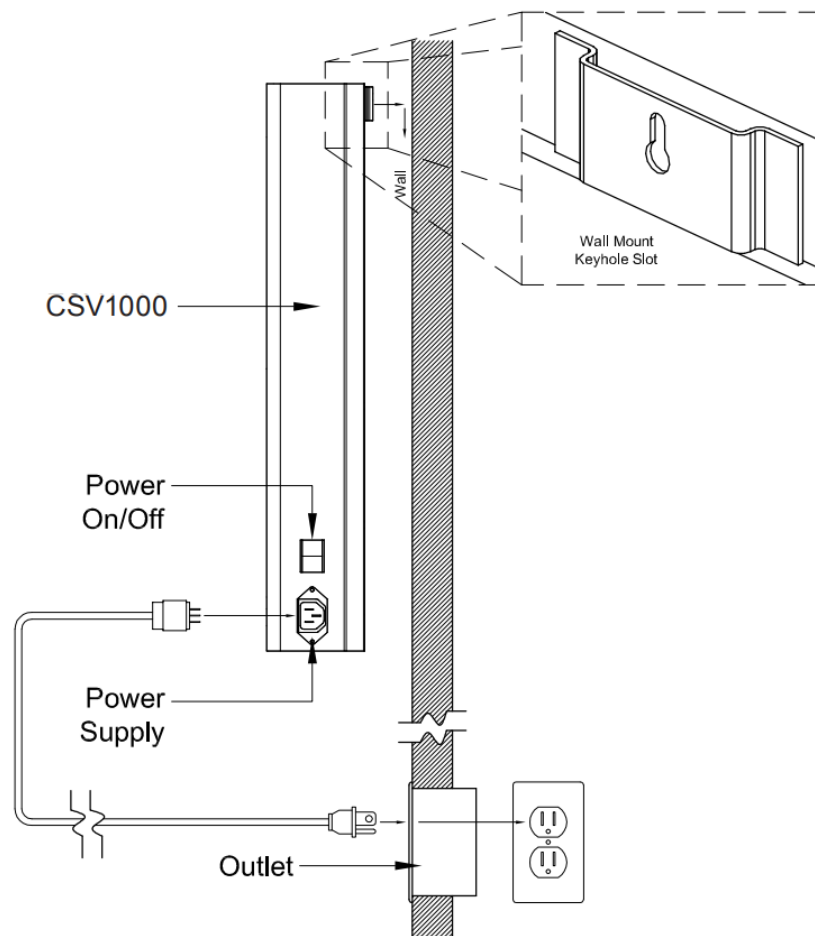
Mounting Guide

Mounting to a Wall

FAILURE TO SECURELY MOUNT THE INSTRUMENT ON A WALL OR OPTIONAL FLOOR STAND MAY RESULT IN SERIOUS INJURY AND/OR PROPERTY DAMAGE AND MAY VOID THE WARRANTY.

Wall Mounted

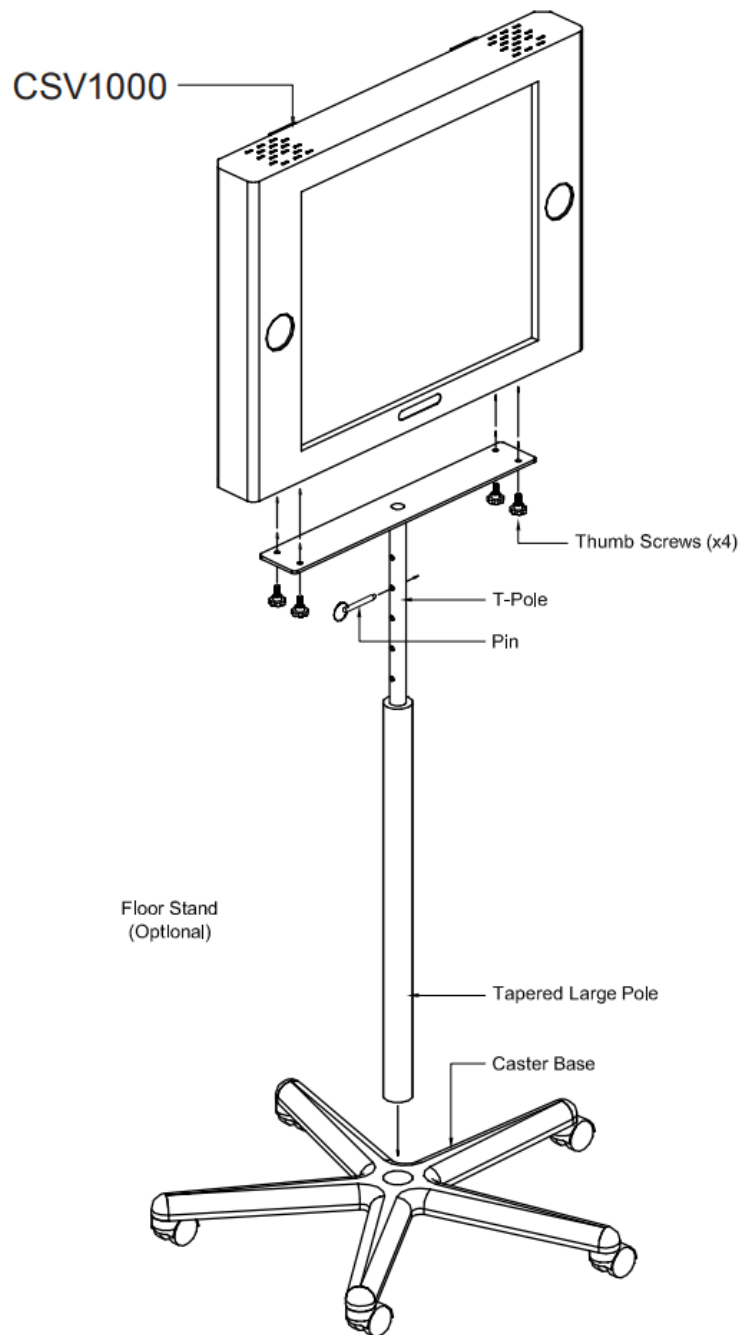
The back of the CSV1000 (HG) instrument has (2) keyhole slots that are 16-inches apart (40 .64cm). Use fasteners designed for a wall mounting that have a rating of at least 60 lbs (9 Kgs).



Floor Stand Mounted (Optional)

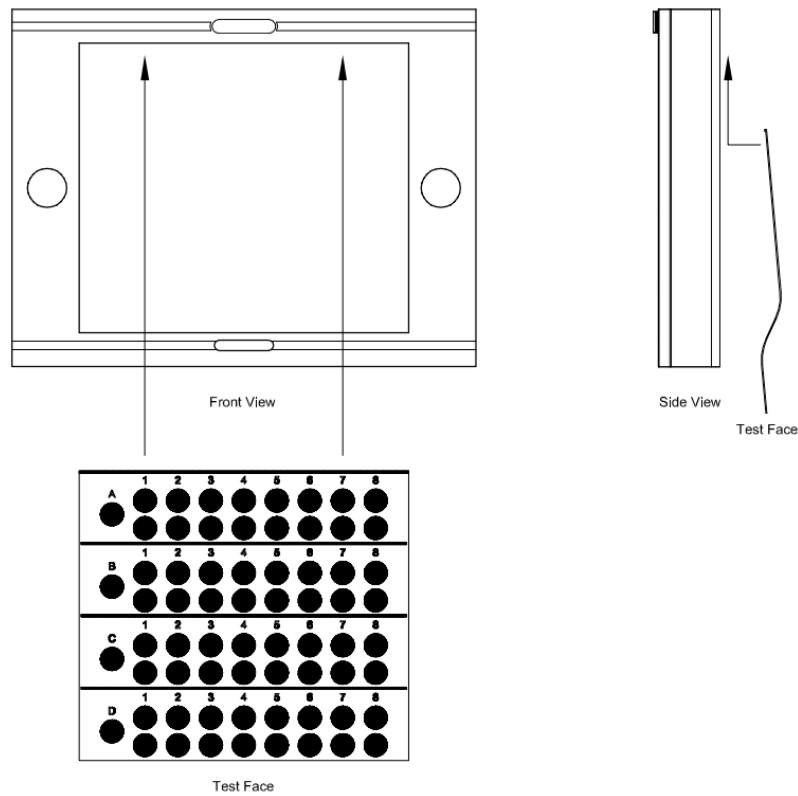
1. Insert tapered end of large pole into the caster base.

2. Attach T-pole to instrument with (4) thumb screws.
(Note: It may be necessary to lie the unit flat to install)
3. Insert T-pole with instrument attached into larger pole and pin at desired height.



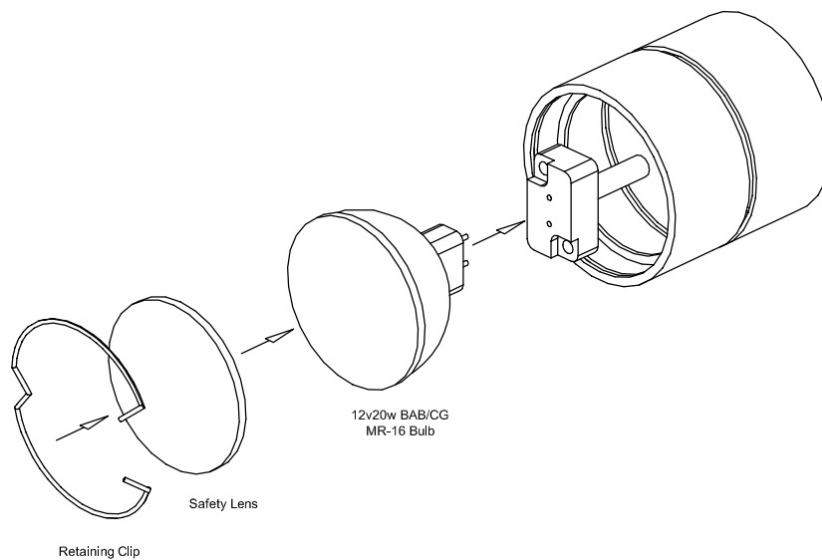
Test Face Application

1. Place Test Face near top surface of CSV1000 (HG) Instrument and attach to instrument as shown.
2. Insert the bottom section of the Test Face behind the bottom of frame.



Maintenance and Service (Optional)

The glare source lamps generate considerable heat and should not be touched while the bulb is on or within 15 minutes after the bulbs have been turned off. When a glare source bulb burns out, it can be removed and replaced by the user. The user can replace the bulb by removing the retaining clip and safety lens, removing the expired bulb, placing in a new bulb, and replacing the safety lens and retaining clip.

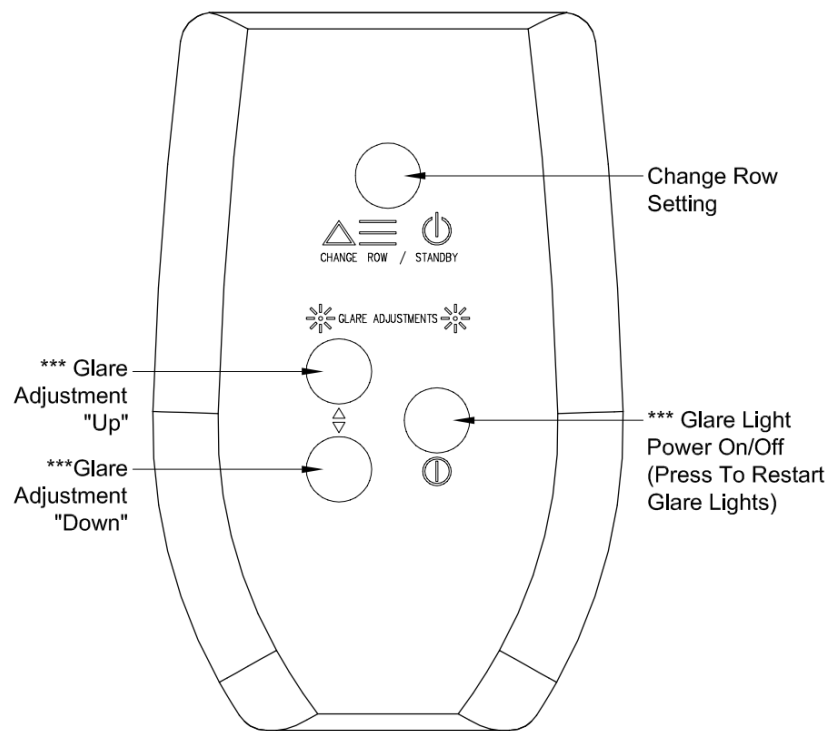


Note:

In order to control heat build-up, glare lights will automatically shut down within 60 seconds of being illuminated. To restart, press the Glare Source button on the remote control. See Page 9 for remote control functions.

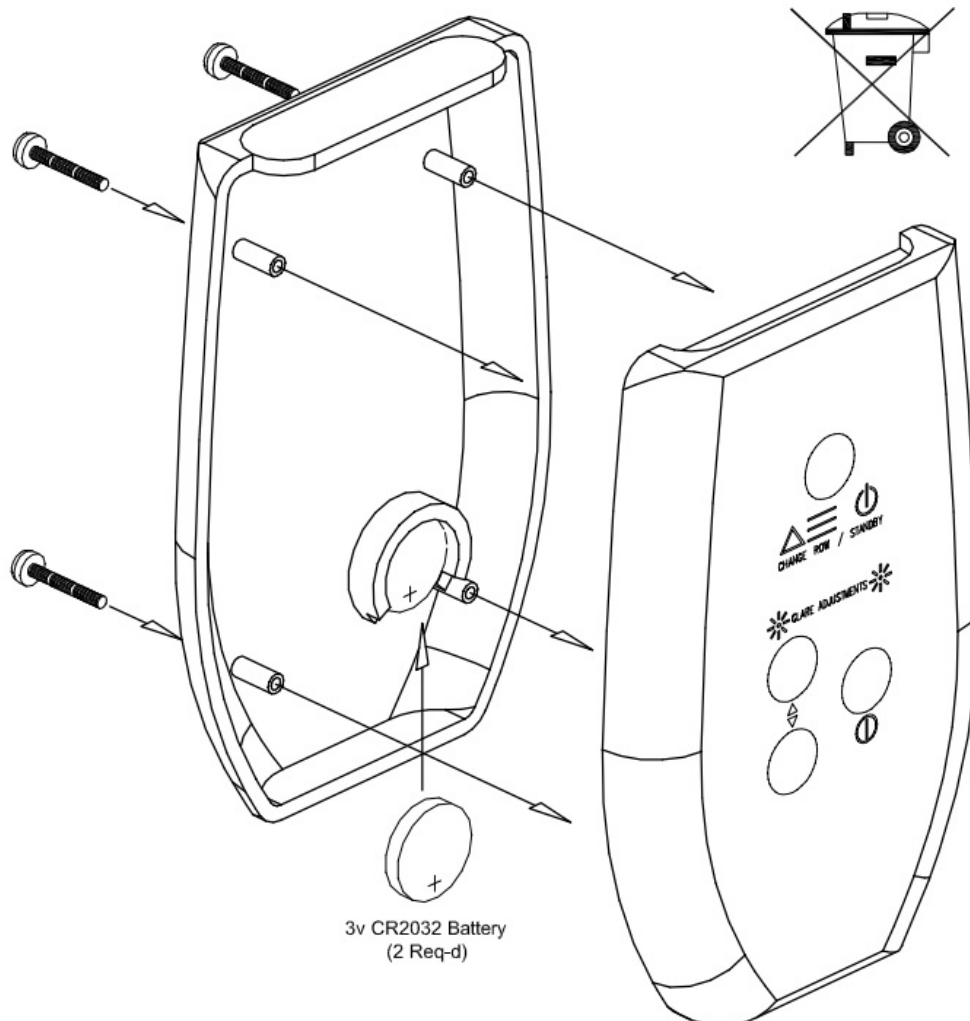
Remote Control Functions & Maintenance

*** Indicates Options Only Available on CSV1000 HG Model



The remote control is powered by (2) 3v CR2032 Batteries. When the battery power has been depleted, replace the batteries.

Batteries must be recycled in the United States. For further information about the United States recycling policy call 800-278-8599.



Warning: Keep remote control batteries away from small children and pets. If swallowed call a physician.

immediately. Do not incinerate the battery. When battery power is exhausted, dispose of the battery in accordance with applicable laws.

Cleaning and Care

The exterior surfaces of the CSV1000 (HG) instrument can be cleaned with any NON-ABRASIVE commercially available cleaner. Cleaning fluid or water should NEVER be sprayed directly on the instrument surface. The test face can be cleaned with water and a soft cloth only. They should not be rubbed with an abrasive cleaner or one that contains ammonia. As with other plastic surfaces the test faces are susceptible to damage from commercial solvents and the ultraviolet radiation in direct sunlight.

Disposal of Instrument



EU Users: At the end of the instrument life cycle, it must be sent to a WEEE recycling center.

Important Tips & Storage

WARNING: Do not attempt to modify the CSV10000 (HG) Instrument or create accessories not approved for use in conjunction with this instrument. Any such alterations or modifications could result in a hazardous condition and possible serious personal injury. The interior of the CSV1000 (HG) has NO USER SERVICEABLE PARTS. Do not attempt in any way to destroy or disassemble the instrument or any of its components. Repairs requiring disassembly must be performed by Good-Lite personnel. Unauthorized repairs or failure to abide by this warning may void the warranty.

Storage

The CSV1000 (HG) is constructed using miniature solid-state electrical components and miniature fluorescent bulbs. These components generate little heat and are designed for long -lasting performance with no maintenance. Proper storage and care of the instrument can help prolong its use. Store the CSV1000 (HG) Instrument in a clean, dry space when not in use. Do not leave in direct sunlight. Avoid, where possible, exposure to extreme hot or cold temperatures. Always unplug the CSV1000 (HG) when not in use.

Warranty

Good-Lite warrants this product for one year from date of purchase against any defects in material or workmanship under normal conditions as a vision testing instrument.

Parts not covered under this warranty: Test faces, except for manufacturing defects.

This warranty covers only normal use. Damage, defect, malfunctions that do not occur under normal use are excluded. Damage or any failure caused by disassembly or attempted repair by non-Good-Lite personnel are not covered.

The warranty obligations of Good-Lite shall be limited to repair or replacement of the instrument. Good-Lite shall not be liable or responsible under any circumstances or in any amount for consequential or incidental damages, or injuries or damages to persons or property using or used in connection with the product or for loss of profits or other costs or expenses of any kind of character. There are no other warranties or representations by Good-Lite other than as set forth herein, either expressed or implied and no person, firm or corporation is authorized to make any representation or incur any obligation in the name or on behalf of Good-Lite except as stated herein.

Electromagnetic Compatibility

This product is designed to meet the requirements of the following standards of EMC for electrical equipment for measurement, control and laboratory use:

EMC Directive: 89/336/EEC

Generic Emissions Standard: EN 61000-6-3: 2001

Product Specific Emissions: EN 55022 Class B Generic

Immunity Standard: EN 61000-6-1: 2001 Immunity:
EN 61000-4-2 Electrostatic Discharge EN 61000-4-3
Radiated Susceptibility
EN 61000-4-4 Electrical Fast TransienUBurst
EN 61000-4-5 Surge
EN 61000-4-6 Conducted Susceptibility
EN 61000-4-11 Voltage Dips & Interruptions
EN 61000-3-2 Harmonic Current
EN 61000-3-3 Voltage Fluctuations & Flicker

CE Compliance

This product meets the essential requirements of applicable European Directives, as amended for CE marking, as follows:

73/23/EEC; Low-Voltage Directive (safety)

89/336/EEC; Electromagnetic Compatibility Directive (EMC)

Refer to the Declaration of Conformity (DoC) for this product for additional information related to regulatory compliance. To obtain the DoC for the CSV1000 (HG) Instrument please contact Good-Lite.


Legal Notices

Software License



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GOOD-LITE®
OVER 90 YEARS OF VISION
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Documents / Resources

	<p>GOOD-LITE CSV1000 HG Test Instrument Viewer [pdf] Instructions CSV1000 HG Test Instrument Viewer, CSV1000, HG Test Instrument Viewer, Test Instrument Viewer, Instrument Viewer, Viewer</p>
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References

-  [Globally Trusted Vision Screening Products Since 1930 - Good-Lite](#)
-  [lite.com](#)
- [User Manual](#)

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