

EyeQue VisionCheck[®] 2

ophthalmic refractometer

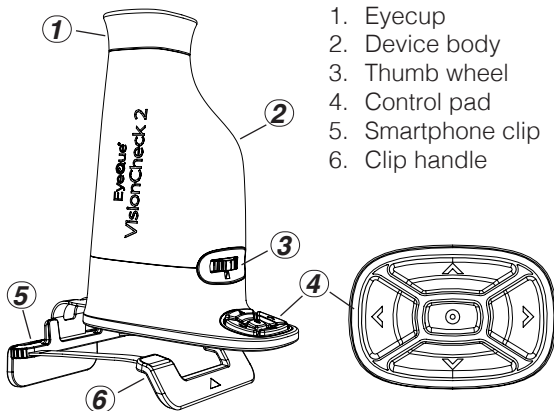


Product Manual

Model: EQ104

Phone not included

VisionCheck 2 device



The VisionCheck 2 eyecup can be removed for cleaning or replacement by rotating it counterclockwise.

Technical specifications

Spherical power	-10 D to +8 D (0.25 D increments)
Cylindrical power	0 D to -5 D (0.25 D increments)
Astigmatic axis	0° to 180° (1° increments)
Device weight	232 g
Dimensions (L x W x H)	143 mm x 88 mm x 194 mm
Light source	Smartphone display (eye safe)
Operational condition <ul style="list-style-type: none">• Temperature range• Humidity	0 to 40 degrees C (32 to 104 degrees F) < 95 % non-condensing
Power supply	none
Minimum smartphone screen resolution	250 ppi

Smartphone requirements

Minimum screen resolution	250 ppi
Minimum screen size	4.7 inches
Connectivity	Wifi enabled
Operating System	iOS: ≥ 12.0 Android: ≥ 5.0

Intended use

The EyeQue VisionCheck 2 is a self-administered, mobile application-driven refraction measurement device that provides spherical, cylindrical and axis correction metrics of the eye. The VisionCheck 2 allows the tracking of vision changes over time and generates estimated refractive corrections.

Description

The EyeQue VisionCheck 2 is a self-administered test and uses your smartphone to determine EyeQue EyeGlass Numbers[®]: lens power needed to correct nearsightedness or farsightedness as well as lens power and axis needed to correct for astigmatism. Your EyeQue results are safely stored in the EyeQue Cloud[®].

EyeQue[®]

EyeGlass Numbers[®] are not prescriptions.
Personal vision testing does not replace the need
for an annual eye health exam by an eye doctor.

For ages 18 years or older.

**Download the app and complete your account
activation process**

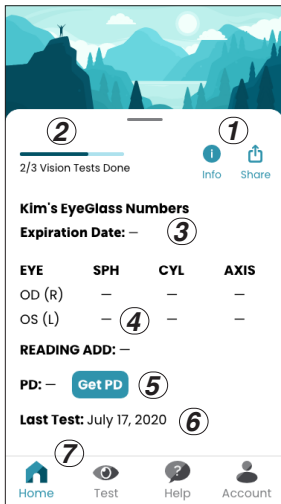
- Download the EyeQue VisionCheck 2 app
from Google Play or Apple App Store.
- Register for an account and create a
password.
- If you already have an EyeQue account, sign
into your existing account.

Note: *Detailed instructions, videos, and help are
available at EyeQue.com/VC2.*

Getting started

- Remove the VisionCheck 2 device from the box and remove the protective cover from the base.
- Turn up the volume on your smartphone. There will be voice prompts to help you through your test.
- Ensure that your phone is set to its highest screen resolution and the zoom mode is turned off. Go to EyeQue.com/VC2 for more information.

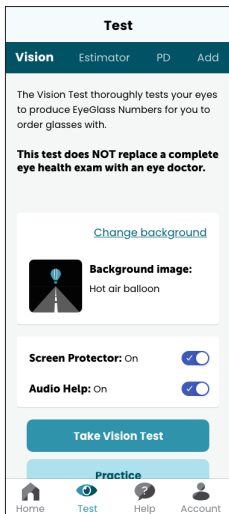
Note: *If this is your first time using the VisionCheck 2, be sure to watch the tutorial video.*



Home screen

The *Home Screen* includes:

1. Info and Share
2. Testing status (once started)
3. EyeGlass Numbers
Expiration Date
4. Measurements
(sphere, cylinder, axis, add)
5. Pupillary Distance
6. Date of Last Test
7. Bottom Navigation Bar



Test screen

The *Test Screen* allows you to select the test type, the testing background image, and set audio help.

Note: While taking practice tests, you may want to try out different background images and select the one your eyes are most comfortable with before taking a vision test.

Learning how to use your VisionCheck 2

- The first time you launch the VisionCheck 2 app, prior to attaching the device to your smartphone, the app will guide you through a quick tour, practice test, and instruct you on how to use the system.
- The ***Vision*** tab at the top of the ***Test*** screen allows you to test your eyes (refraction) and produce EyeGlass Numbers (EGN's). The Vision Test screen has two test options: 'Take a Vision Test' and 'Practice'.

Note: Testing with the VisionCheck 2 does NOT replace a complete eye health exam with an eye doctor.

Take a test - 'Practice' or 'Take a Vision Test'

- Update your test settings.
- Select the desired test type.
- View information/instruction on your phone.
- Slide your phone into the clip of the VisionCheck 2 device.
- Follow instructions on the app on how to align the EyeQue device to our phone.
- If the auto-alignment feature does not work, a manual option will be available.
- Look into the device or listen to the audio help for any further instructions.

How to take your first vision test

- Place your elbows on a flat surface to hold your smartphone as steadily as possible.
- Hold the smartphone at reading distance, and






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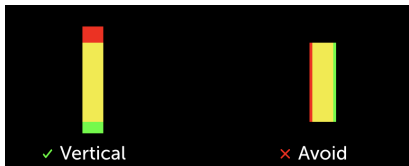
slowly move it closer until the eyecup of the device touches your right eye.

- You should see two lines, one red, and one green. Take a few seconds to find these lines. If you do not see them, try gently moving the device left and right, up and down. It takes some practice and is an important part of getting accurate test results.




Note: *It is not uncommon for the lines to be partially overlapped at the start of a measurement.*




- Once you see the red and green lines, open and relax your left eye (untested eye) during the test. If you continue to have difficulty, go to EyeQue.com/VC2 for additional tips.
- Focus the untested eye on a large object at least 6 feet away.
- Press the  or  on the VisionCheck 2 device and overlap the red and green lines completely to form one solid yellow line.
 - Holding the  or  for a longer period of time (long-press) will result in continual step-movements of the lines.
- Once you are satisfied that the lines are overlapped, press  and rotate the thumbwheel to the position instructed by the system.



Note: Make sure the body of the lines are fully overlapped in order to obtain accurate measurements. Overhang of the red and green tips are okay.

- Looking into the device, the red and green lines will be rotated to a different angle.
- Overlap them as you've done for the previous test; press  when you see one solid yellow line.
- The voice and visual prompts will guide you through the complete testing process.

Going back while testing

- While testing, you can go back if you accidentally press .
- Press  to select "back" on the screen. Then press and hold .
- Ensure the thumb wheel is in the correct position for that measurement.
- You can only go back one position.

EyeGlass Numbers[®] (EGNs)

- After taking at least three sets of consistent vision tests with the EyeQue VisionCheck 2, the app will display a set of EyeGlass Numbers.
- If measurements are inconsistent, you will be instructed to complete additional tests.

EGN's will not be displayed until at least three consistent measurements are achieved.

- The Home screen will display a status bar indicating the number of tests completed if there are less than three tests.

***Note:** Although a minimum of three consistent tests are needed to generate EGN's, more vision tests will result in better, more accurate EyeGlass Numbers.*

What can you do with EyeGlass Numbers?

We recommend using them for general tracking of your eyesight over time. EGNs can be used to order eyeglasses from online retailers that do not require an eye care provider's prescription certification.

***Note:** EyeGlass Numbers are not prescriptions. Personal vision testing does not replace the need for an annual eye health exam by an eye doctor.*

Try-On Glasses™ (if available on the app)

EyeQue Try-On Glasses are low-cost, non-prescription glasses. They are a low-risk way for you to experience how comfortably you'll see with glasses made using your EyeGlass Numbers before ordering glasses from your online retailer.

Other tests

Estimator:

The Estimator is a shortened version of the Vision Test. The test provides a rough estimate of the

visual correction you may need. It's ideal for quickly tracking vision changes.

Note: *Estimator results are NOT meant for ordering glasses.*

PD test:

Pupillary distance (PD) is the distance between the centers of your pupils in millimeters. The test is provided as a useful tool if you choose to order glasses from online retailers. See ***Pupillary distance (PD) measurement tool*** on how to use it.

Note: *The PD test is not part of the vision refraction test and is not required to achieve accurate EGNs.*

Near vision add:

Although the VisionCheck 2 device provides refraction values for distance vision, the

VisionCheck 2 smartphone app can estimate the amount of correction to be added to your distance correction for near vision (used for reading or computer work).

Follow the directions on the app to get your measurements.

Note: *Near vision add is not part of the vision refraction test and is not required to achieve accurate EGNs for distance vision.*

Multiple users

One VisionCheck 2 device can be shared with other users.

EGN calculations are based upon the results of

several saved tests for a given individual and are available on their personal dashboard. Each user must have a separate EyeQue account that can be obtained through the app.

Clean between users

Clean the VisionCheck 2 device eyecup with rubbing alcohol between users. Remove and/or allow the rubbing alcohol residue to evaporate before bringing the device eyecup to the eye.

Contraindications

The VisionCheck 2 device should not be shared with users that are known to have, or exhibit signs or symptoms of, an eye infection.

Warranty information

Your EyeQue VisionCheck 2 purchase comes with a 30-day money back guarantee and a limited 1-year warranty. Proof of purchase from an authorized seller is required.

The accuracy and precision of the results can vary among individuals. Not all users will get accurate or consistent results because of, but not limited to, effects such as accommodation, other eye conditions, insufficient manual dexterity, or improper use. Since the EyeQue vision test is self-administered, EyeQue does not make any guarantees regarding results.

Please visit our website at www.eyequ.com for additional product information or email us at

EyeQue®

support@eyeque.com with any questions.

Safety warning

While using EyeQue products to personally measure and track vision has the benefit of detecting changes between regular eye exams, it does not replace a comprehensive eye exam that evaluates ocular health. EyeQue urges people to visit an eye doctor annually for a full eye health exam.

For ages 18 years or older.

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Pupillary distance (PD) measurement tool

The PDCheck, a pupillary distance measurement tool, is included with your EyeQue VisionCheck 2.

How to get your PD

1. Ensure the VisionCheck 2 is not attached to your smartphone.
2. From the Test Screen, select PD Test.
3. Put on the PDCheck frames.
4. The camera on your smartphone will be activated.
5. Look at your smartphone and view your image on the screen.
6. When aligned, take a picture while keeping your eyes open.
7. Align the green "T" marks to your frames and align the "+" marks to your pupils.

- Make large adjustments by tapping and dragging the marks with your finger.
 - Make small adjustments by tapping the marks and then using the arrows to move the marks.
8. Select Finish once all adjustments have been made and your results will be displayed.

VisionCheck 2 troubleshooting

Situation	Action
Nothing happens when I press the control buttons on the VisionCheck 2 device.	Clean the phone screen with glass cleaner and restart the app.
The lines look like they are not aligned with one another.	Ensure the number on the thumb wheel matches the number on the screen.
I have a cracked phone screen.	Note that the location and severity of this may impact the use of the device.

Situation	Action
I can't see the lines. or I can only see one line.	Ensure the device is attached to the phone properly and revisit <i>How To Take Your First Vision Test</i> .

If you have any questions, contact us at
support@eyequeue.com.



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