

EyeQue
VisionCheck™



Product Manual

Model: EQ102

VisionCheck Device



← Eyepiece

Test Buttons

← Move lines closer

← Move lines farther

← Next/Rotate lines

Other

← Power

← Micro USB charging port

← Hooks for elastic band

Technical specifications

Spherical power	-10 to +8 D (0.25 D steps)
Cylindrical power	0 D to -5D (0.25 D steps)
Astigmatic axis	0° to 180° (1° steps)
Minimum pupil diameter	2 mm
Dimensions	92mm X 50mm X 35mm
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	Battery, 350 mAh, Lithium-Ion
Minimum smartphone requirement	250 ppi screen resolution
Bluetooth	Supports Bluetooth 4.2 standard
Auto-off	15 minutes of inactivity

Intended use

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

Description

The EyeQue VisionCheck is a self-administered refraction measurement device that 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 cloud.

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.

Activation with serial number

Each EyeQue device has a serial number. This number is used to unlock your EyeQue app to ensure you are using a genuine EyeQue device. Activation is a one-time operation for an EyeQue member account. If the device is used on another account, this number may need to be re-entered. Store in a safe place.

Before you get started

Charge the Device	Download the App to your Phone	Setup your Membership
		

Charging

- It is recommended that you charge the VisionCheck device before using.
- Charge the device with the micro USB cable (USB wall charger not included).
- LED on the power button turns red while charging.
- LED on the power button turns off once charging is complete.

Note: If this is your first time we recommend going through the tutorial as well as the practice test. Once you find the lines and successfully complete your first test, all subsequent tests will become much easier to perform.

Download the app and complete your account activation process

- Download the EyeQue VisionCheck app from Google Play or Apple App store
- Launch the app and register for an account. If you already have an EyeQue account, sign in to your existing account.
- You'll be asked for the serial number. You will find a serial number inside the box for registration.
- Complete the process

How to get started

- Turn up your smartphone screen's brightness, as well as the volume. There will be voice prompts to help you through your test.
- Click on the "Test" tab in the app.

- Go through the Bluetooth pairing process to connect your phone to the VisionCheck device (see “Setup Bluetooth connection between the VisionCheck device and your phone” for details).
- Remove the VisionCheck device from the box and remove the protective cover from the end.
- Attach the device within the dotted line displayed on your phone display with the logo facing toward the bottom of the display and the three test buttons towards the top. The device should not slide easily once attached to your phone.
- Secure the device by attaching the silicone elastic band with a snug fit.
- Click “Next” and select whether you will be taking the test with or without glasses or contact lenses and if your phone has a screen protector.

Turning on the VisionCheck device

- Turn on the device by depressing the power button for three seconds
- Power Button will blink blue indicating that the device is in broadcast mode.



Setup Bluetooth connection between the VisionCheck device and your phone

- Turn on the EyeQue VisionCheck app on your phone and press “Test”.
- The app will look for the VisionCheck device for up to 30 seconds.
- Once the app discovers the VisionCheck device, it will display the device name for you to select.

- If multiple devices are listed, you can select yours and use the pen icon to change the device name to identify your specific device.
- After selecting the device, click on “Continue” on the app.
- The blinking blue light on the power button will turn solid blue when paired.

Check battery status from app

- When you pair with the VisionCheck device the app will indicate the charge level of the VisionCheck device.
- While testing there will be a battery level indicator on the screen.

How to take your first vision test

- Place your elbows on a flat surface to hold your smartphone as steady as possible.
- Hold the smartphone at reading distance, and slowly move it closer until the eye cup 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.
- Once you see the red and green lines, open and relax your left eye (untested eye) during the test. Most people find it helpful to focus the untested eye on a large object at least 6 feet away.

- Tap on the (> <) or the (< >) button and overlap the red and green lines completely, to form one solid yellow line.
 - The buttons will vibrate slightly when your tap is registered.
 - Depressing the button for a longer period of time will result in repeated step-movements of the lines.



Move lines closer
Move lines farther
Next/Rotate lines



- Once you are satisfied that the lines are overlapped, press the “Next/Rotate” button for two seconds on the device.
- Continue looking into the device. The red and green lines will be rotated at a different angle. Overlap them as you’ve done for the previous test; press the “Next/Rotate” for two seconds when you see one solid yellow line.
- Continue and complete all 9 measurements for your Right and then the 9 measurements for your Left eye. Follow the voice prompts.
- You may choose to save or discard a test result. Discarded result will not be used in calculating EGNs.

EyeGlass Numbers[®] (EGNs)

- After taking at least three sets of saved vision tests with the EyeQue VisionCheck, the app will display a set of EyeGlass Numbers.

- See: What Can You Do with EyeGlass Numbers

Note: Although a minimum of three tests are needed, more vision tests will result in better, more accurate EyeGlass Numbers.

EYEGLOSS NUMBERS			
O.D. (RIGHT)	-4.50	-1.75	179
O.S. (LEFT)	-5.00	-1.75	177
PD: --		NVADD: +0.00	

What can you do with EyeGlass Numbers?

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

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

Multiple users

One device can be shared with several users.

EGN calculations are based upon the results of several saved tests for a given individual and are available on their personal dashboard. As a result, each user must have a separate EyeQue membership.

Clean between users

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

Contraindications

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

If used on other phones

Users will need the device serial number to unlock the app on other devices.

For other users to obtain their own membership

Via Computer

1. Create an account
 - Create an account by going to <https://store.eyequ.com/customer/account/create/>
 - Confirm your email address and login to your account
2. Become a member
 - Click on “Membership”
 - Select the “Become a Member” button
3. Follow the instruction to complete your membership

4. Download the EyeQue VisionCheck app
5. Login using the app
6. You may be prompted for the serial number from the EyeQue device.

Via the App

1. Download the EyeQue VisionCheck app
2. Open the app and on the login screen click the “Register” button
3. Complete the information
4. Confirm your email address
5. Login and enter the device serial number
6. A pop-up will appear indicating a membership is required.
7. Select the “Become a Member” button
8. Complete the purchase process.

With a single active membership, a user can use the EyeQue VisionCheck or EyeQue Personal Vision Tracker. You do not need to purchase a separate membership to use the other devices. You may be prompted for the serial number from the EyeQue device when launching the product-specific device for the first time. This number validates you are using a genuine EyeQue product.

Warranty information

Your EyeQue VisionCheck purchase comes with a 30-day money back guarantee and a limited 1-year parts and labor warranty. Proof of purchase from an authorized seller (EyeQue.com, Amazon Inc. on Amazon, EyeQue on Amazon, Kickstarter, Indiegogo, HSN, and BestBuy.com) and product serial number are required for processing.

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. As the EyeQue vision test is self-administered EyeQue does not make any guarantees regarding results.

Please visit our website at www.EyeQue.com for additional product information or email us at support@EyeQue.com with any questions.

Address:

39608 Eureka Drive
Newark, CA 94560
USA

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 or binocularity. EyeQue urges people to visit an eye doctor annually for a full eye health exam.

For ages 18 years or older.

This device contains a Lithium-ion battery.

- Do not discard in trash.
- Do not expose to high heat or incinerate.
- Do not charge in high temperatures.
- This device should be disposed of in accordance with your local rules and regulations.

Pupillary distance (PD) measurement tool

Some EyeQue VisionCheck's are shipped with a PD measurement tool. This is provided as a useful tool if you order glasses. It is not required for the VisionCheck to operate or for it to provide you accurate EGNs.

If your purchase came with a PD measurement tool, follow the directions accompanying the tool to get accurate measurements.

Visit [EyeQue.com](https://www.eyequ.com) for more information or to order.

What is pupillary distance?

Pupillary Distance is the distance between the centers of the pupils of the eyes, measured in millimeters. PD is one of the measurements necessary to order glasses.

Frequently asked questions

Question	Answer
What is the charging time for the VisionCheck?	Approximately 2 hours

Question	Answer
Is there a low battery indicator?	<p>There are several ways to get information on the battery:</p> <ul style="list-style-type: none">• The power button LED on the device blinks red when the battery is low.• When paired with the phone, the VisionCheck app will display the battery level.

Question	Answer
What is the meaning of the lights on the power button?	<p>Device is "on" (and not plugged in for charging):</p> <ul style="list-style-type: none">• Solid blue: Connected/paired.• Blinking blue: Broadcasting/waiting for pairing.• Blinking red: Low battery. <p>Plugged in for charging and the device is "off":</p> <ul style="list-style-type: none">• Red: Charging• LED Off: charging is complete

Question	Answer
Is the sound made when the images rotate, normal?	Yes. The sound is from the internal mechanical movement.
Can I operate the device while plugged in for charging?	It is not recommended.

Troubleshooting

Situation	Answer
The lines in the device are not rotating when the Next/ Rotate Lines button is pressed.	Exit the test, pair the device, and try it again.

Situation	Answer
The Bluetooth connection drops.	Make sure the device is within 5 feet of the phone and try pairing it again.
The Bluetooth connection drops during the test.	Exit the test, pair the device, and try it again.
The device battery dies during a test.	Exit the test, charge the device and restart the test.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

EyeQue®

at-home vision tests

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