

# EyeQue

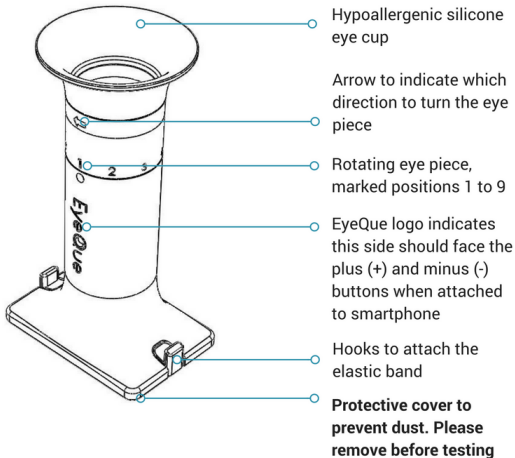
## Personal VisionTracker®

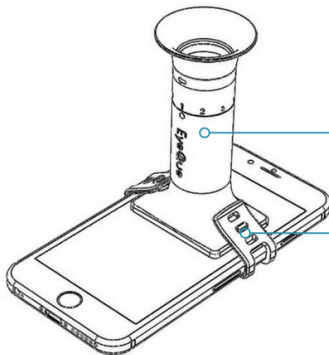
ophthalmic refractometer



**Product Manual**  
Model: EQ101

## Product specifications





Carefully attach the miniscope inside the white dotted rectangle in app when prompted

Elastic band wraps around your smartphone for a snug fit. The micro-suction tape under the miniscope secures it from sliding during tests.

## Technical Specifications

<b>Spherical power:</b>	-10 to +8 D (0.25 D steps)
<b>Cylindrical power:</b>	0 D to -5D (0.25 D steps)
<b>Astigmatic axis:</b>	0° to 180° (1° steps)
<b>Minimum pupil diameter:</b>	2 mm
<b>Dimensions:</b>	3.62 inch x 2 inch x 1.38 inch (92 mm x 50 mm x 35 mm)
<b>Light source:</b>	Smartphone Display (eye safe)
<b>Temperature:</b>	10°C (50 °F) to 40°C (104 °F)
<b>Humidity:</b>	10% to 95% RH (Non-condensing)
<b>Power supply:</b>	None
<b>Minimum smartphone requirement:</b>	250 ppi screen resolution

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## Intended use

The EyeQue Personal Vision Tracker® (PVT) is a self-administered, mobile application-driven refraction device that provides spherical,

cylindrical and axis correction metrics of the eye. The PVT allows the tracking of changes over time and generates estimated refractive corrections.

## **Description**

The EyeQue Personal Vision Tracker (PVT) is a self-administered refraction measurement device that uses the light from your smartphone screen to determine EyeQue EyeGlass Numbers® (EGNs): 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®.

EyeGlass Numbers are not prescriptions and personal vision testing does not replace the need for an annual eye health exam.

For ages 18 years or older.

## Instructions

Download the app and complete your account activation process.



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

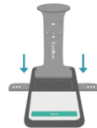
## How to get started and attach your EyeQue miniscope

1. Increase your smartphone's screen brightness and volume settings. There will be voice prompts throughout the test.
2. Click on the "test" tab in the app. If this is your first time using the app, please review the tutorial and complete the practice test before attempting a full test.

3. For either the practice test or full test, you will be prompted to remove the miniscope from its case. Rotate the eyepiece clockwise several times to get a feel for the movement.
4. You will see a rectangular area with a dotted outline. This is where you attach the miniscope. Remove the cover on the base of the miniscope and attach it directly onto your smartphone screen, with the EyeQue logo facing the plus (+) and minus (-) buttons displayed on the screen. The miniscope should not slide easily once attached to your phone.
5. Secure the miniscope by attaching the silicone elastic band, creating a snug fit.



"EyeQue" should face towards the bottom of your phone.



Next

6. Make sure the rotating eyepiece is set to position 1. Click “next”, and select whether you will be taking the test with or without glasses or contact lenses.

## How to take your first vision test

**NOTE: Your first time taking the test will be the hardest. Once you find the lines and successfully complete your first test, all subsequent tests will become much easier to perform.**

1. Place your elbows on a flat surface to hold your smartphone as steady as possible.
2. Hold the smartphone at reading distance and slowly move it closer until





the eye cup touches your right eye.

3. 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 miniscope left and right, up and down. It takes some practice and is an important part of getting accurate test results.
4. Once you see the red and green lines, open and relax your left eye (non-testing eye) during the test. Most people find it helpful to focus on a large object at least 6 feet away. If you continue to have difficulty go to [eyeque.com/support](http://eyeque.com/support) for additional tips.
5. Tap on the plus (+) or the minus (-) button and overlap the red and green lines completely until they form a solid yellow line.  
You may hold down the plus (+) or minus (-) buttons for faster movement.
6. Once you are satisfied that the lines are overlapped, click "Next".



7. You will be prompted to rotate your miniscope to position 2.  
Turn the rotating eye piece in the direction of the arrow until the number “2” is just above the white dot.
8. Look into the miniscope. The red and green lines are now at a different angle. Overlap them as you’ve done for the previous test; click “Next” when you see only one solid yellow line.
9. Rotate your eye piece to position 3 and repeat. Complete all 9 measurements for your right eye. Follow voice prompts.
10. Rotate your eye piece to position 1 and test your left eye. Complete all 9 measurements for your left eye. Follow voice prompts.
11. Congratulations! The test completion screen appears. You may choose to save or discard this test result.

## What to do with your vision test results

After taking three sets of saved vision tests with the EyeQue Personal Vision Tracker, the PVT app will generate an accurate set of EyeGlass Numbers (EGNs) that you can use to check whether your vision has changed since your last prescription, or order new eyeglasses online.

**NOTE: More vision tests will result in better, more accurate EyeGlass Numbers.**

Eye	Spherical	Cylindrical	Axis
OD (R)	-1.75D	-0.25D	163°
OS (L)	-1.75D	-0.25D	163°
PD: 62	NVADD: +1.50		

## Multiple users

One 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 membership.

**NOTE: Clean the miniscope eye cup with rubbing alcohol between users. Remove and/or allow the rubbing alcohol residue to evaporate before bringing the miniscope eye cup to the eye.**

## Contraindications

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

## **If used on other devices**

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

## **What can you do with EyeGlass Numbers®?**

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

## **How other users can obtain their own membership**

### **Via computer**

1. Create an account.
  - a. Go to <https://store.eyequ.com/customer/account/create/>
  - b. Confirm your email address and login to your account

2. Purchase a membership.
  - a. Click on “Membership” on the left-hand side.
  - b. Select the “Buy” button.
  - c. Complete purchase.
3. Download the PVT app.
4. Login using the app.
5. You may be prompted for the serial activation number from the EyeQue device.

### **Via the app**

1. Download and launch the PVT app on your smartphone.
2. From the login screen click on “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 “Buy” button.
8. Complete the purchase process.

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

### **Warranty information**

Your EyeQue Personal Vision Tracker 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 (e.g.: EyeQue.com, Amazon Inc. on Amazon, EyeQue on Amazon, Kickstarter, Indiegogo, HSN, and BestBuy.com) and 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.eyequ.com](http://www.eyequ.com) for Frequently Asked Questions and additional product information, or email us at [support@eyequ.com](mailto:support@eyequ.com) with any questions.

Address:

39608 Eureka Drive  
Newark, CA 94560 USA  
(510) 455-8168



## **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 a doctor annually for a full eye health exam.

## **Pupillary distance (PD) ruler**

Some EyeQue PVT's are shipped with a PD ruler. If your purchase came with one, follow the directions below to get proper measurements. It is provided as a useful tool if you choose to order glasses from online retailers. It is not a part of the PVT vision test and is not required to achieve accurate EGNs.

## **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. Depending on the PD ruler you have, there may be two methods to measure your PD.

## **For Binocular PD**

### **Method 1**

Applicable for most PD ruler styles.

1. Stand approximately 8 inches in front of a mirror or ask someone else to measure for you.
2. Without touching the eye, align the "0" with the center of the pupil of one eye and while looking straight ahead, measure the distance from the center of one pupil to the center of your other pupil.
3. Note your results. (Adult PD range: 54-74 mm, Child PD range: 43-54 mm).
4. Repeat several times for accuracy and use an average for your final measurement.

## Method 2

Applicable if your ruler has eye-slits and you wish to use them.

1. Stand approximately 8 inches in front of a mirror or ask someone else to measure for you.
2. Without touching the eye and while looking straight ahead, look through the eye slits and note the numbers that are aligned with the center of each pupil (numbers will range between 20 and 40 mm).
4. Add the two results.
5. Note your results. (Adult PD range: 54-74 mm, Child PD range: 43-54 mm).
6. Repeat several times for accuracy and use an average for your final measurement.

**Go to [EyeQue.com](https://www.eyequ.com) to order a PD ruler or the EyeQue PDCheck.**



at-home vision tests

[EyeQue.com](https://EyeQue.com)

Made in Taiwan

Manufactured for EyeQue Corp.

39608 Eureka Drive, Newark CA 94560

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