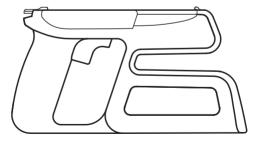


# **NETROMETER** User Manual



#### STATEMENT OF INTENDED AND INDICATIONS FOR USE

The Netrometer is intended for use by an optometric/ opthalmic professional to determine the measurements of existing corrective eyewear.

Acquisition of lens measurement data is intended to provide a basis of comparison between an old (or prior) lens specification and the lens measurements taken on the existing (or newly fabricated) corrective eyewear. The Netrometer is intended to replace traditional lensometers as currently used in EyeNetra's service offering.

Carefully remove the contents from the package. If anything is missing or damaged, please visit our customer support website at **store.eyenetra.com** or call **Monday** thru **Friday** 9:00 AM - 5:00 PM (EST) +1 (857) 997 2057

If you purchased from an authorized re-seller, please contact them directly.

Please review the contents of this manual carefully before setting up or operating the device.

For more information, visit our website:

www.eyenetra.com

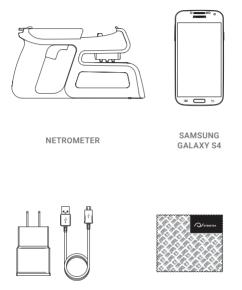


#### SMARTPHONE-POWERED REFRACTION

For Mobile Clinics | For Optical Shops | For Existing Practices

THE NETROMETER DEVICE IS NOT MADE WITH NATURAL RUBBER LATEX

### The following items are included in this kit:



CHARGER\*

MICROFIBER

CLOTH

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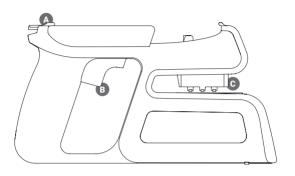
Refund Policy 33



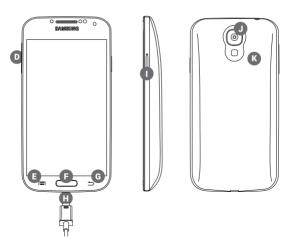
### NETROMETER Vour Notromo

Your Netrometer Kit

### **NETROMETER**



### **GALAXY S4**



- A Phone release button
- B Trigger
- **C** Clamp

- Volume button
- Menu button
- F Home button
- G Back button

- H Charger/Accessory jack
- Power/Lock button
- Back camera
- K Flash

#### **EXTENDING YOUR BATTERY LIFE**

For the extended battery included with this device, it is recommended that you follow the initialization process.



This requires performing 5 cycles of charge-discharge-recharge being sure to charge 10-12 hours and to not deplete to 0%.

If you want to store your device long term, two key factors will affect the overall health of your battery: the environmental temperature and the percentage of charge on the battery when it's powered down for storage. Therefore, we recommend the following:

Do not fully charge or fully discharge your device's battery — charge it to around 50%. If you store a device when its battery is fully discharged, the battery could fall into a deep discharge state, which renders it incapable of holding a charge. Conversely, if you store it fully charged for an extended period of time, the battery may lose some capacity, leading to shorter battery life.

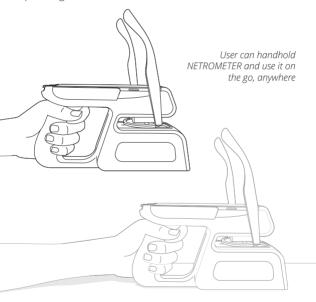
- Power down the device to avoid additional battery use.
- Place your device in a cool, moisture-free environment that's less than 90° F (32° C).
- If you plan to store your device for longer than six months, charge it to 50% every six months.
- Depending on how long you store your device, it may be in a low-battery state when you remove it from long-term storage. After it's removed from storage, it may require 20 minutes of charging with the original adapter before you can use it.



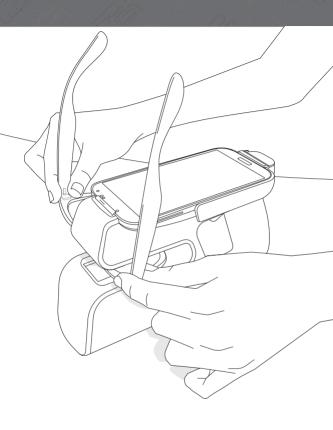
Use

#### TWO WAYS OF USING NETROMETER

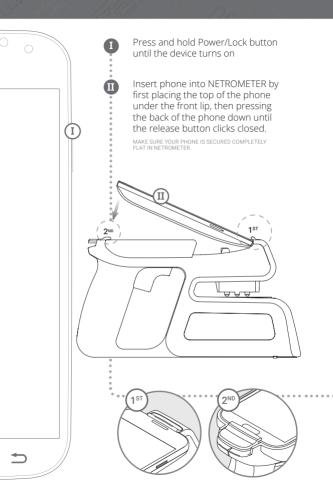
When measuring lenses, the NETROMETER can be easily used while handheld or rested on a table. Some users find it easier to operate on a level surface, others prefer the freedom of operating without such a constraint.



User can handhold NETROMETER and rest it on a table or a counter for stability, especially for AXIS measurements.



If the clamp does not lock the lens flat to the bottom surface, gently press frames down against the surface without using the trigger. That might be needed when handling small frames or when nose pieces interfere with the clamp.



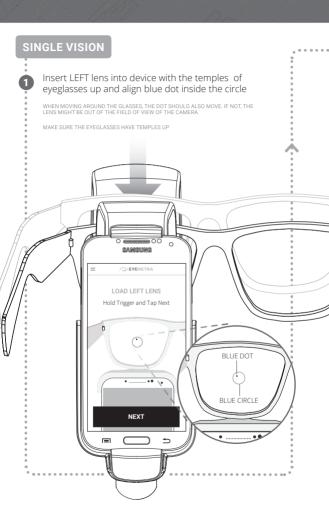




App starts automatically once phone is unlocked follow instructions on screen. Depending on the lenses to be measured, choose between:

- SINGLE VISION
- PROGRESSIVE BETA\*

<sup>\*</sup> PROGRESSIVE BETA IS A PRE-RELEASE VERSION FOR PROGRESSIVE OFFICIAL VERSION.



Pull the trigger to hold lens in place, look at the frame orientation from the top and make sure it is straight with blue dot still inside the circle, press NEXT button









Repeat steps 1 and 2 for the RIGHT lens



#### Read the results

Press (+/-) to switch to positive/ negative CYL prescription.



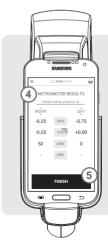
Tag name, email, record number to label this result.



Print button available for wireless printer (sold separately)

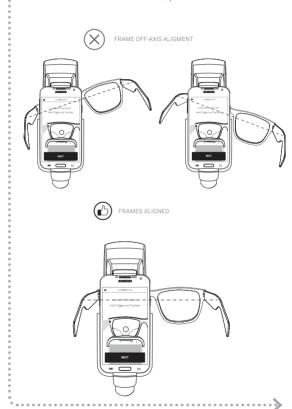


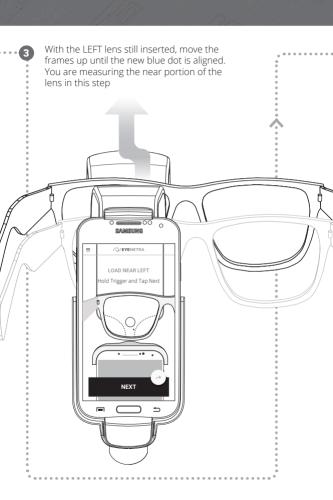
Press FINISH



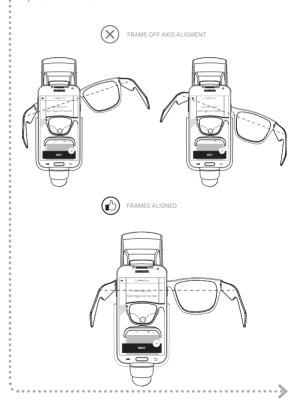
# PROGRESSIVE | Insert LEFT lens into device with the temples of eyeglasses up and align blue dot inside the circle. You are measuring the distance portion of the lens in this step MAKE SURE THE EYEGI ASSES HAVE TEMPLES UP ✓ EYENETRA LOAD DISTANCE LEFT Hold Trigger and Tap Next

Pull the trigger to hold lens in place, look at the frame orientation from the top and make sure it is straight with blue dot still inside the circle, press NEXT button





Pull the trigger to hold lens in place, look at the frame orientation from the top and make sure it is straight with blue dot still inside the circle, press NEXT button





Repeat steps 1 to 4 for the RIGHT lens

Read the results

Press (+/-) to switch to positive/ negative CYL prescription.

Tag name, email, record number to label this result.

Print button available for wireless printer (sold separately)

Press FINISH



## Technical Specifications

TECHNOLOGY	NEFLECTOMETRY (Pat. Pending)
CAMERA	Smartphone Back-facing Camera
LIGHT SOURCE	Smartphone (Samsung S4) Flash LED
MEASURING WAVELENGTHS	~400nm to ~750nm (Broadband)
SPHERE RANGE	-13 to +7.0D, 0.25D increment
CYLINDRICAL RANGE	0 to -7D, 0.25D increment
AXIAL RANGE	0° to 180°, 1 degree increment
LENS TYPE	Single Vision and Progressive Lenses(BETA)
DEVICE DIMENSIONS	7.5cm x 11cm x 21cm (500g)
EXTERNAL PROCESSING UNIT	Samsung S4*
MEASUREMENT TIME	3 seconds for Single Vision
SCRATCH, DUST AND COATING	Accepted
CALIBRATION REQUIREMENTS	None
OFFICE ILLUMINATION REQUIREMENTS	None (Optically Sealed)
SPECIALIZED FURNITURE REQUIREMENTS	None (Handheld)
FDA STATUS	Netrometer is a Class 1 device exempt from premarket notification (Sec. 886.1425)
OPERATION	Temperature: -15°C to 93°C     Relative humidity: 95% non-condensing
STORAGE/TRANSPORT	Temperature: -15°C to 93°C     Relative humidity: 95% non-condensing

i

<sup>\*</sup>Technical Specifications for the Samsung S4 are provided in the Samsung S4 User Manual as provided with the phone. EyeNetra may routinely make modifications to the software to correct editorial issues or to improve usability. Such changes can only be effected if the user is connected. EyeNetra will never make changes to software that affect measurement accuracy without prior notification unless those changes are to improve accuracy beyond that currently specified.



## FAQ

#### DOES NETROMETER REQUIRE TRAINING?

NETROMETER's intuitive interface and great ease-of-use requires minimal training. When the app is launched, follow the instructions on screen. The more you use it, the more confident you will be with the process.

#### DOES NETROMETER MEASURE PRISM?

Currently, NETROMETER does not measure prism.

### WHAT DIFFERENTIATES NETROMETER FROM OTHER EXISTING LENSOMETERS?

NETROMETER is the world's first smartphone (mobile application-driven) lensmeter device. NETROMETER's captivating design and compact size allows it to travel anywhere. In conjunction with NETRA and NETROPTER, eyecare can be administered anywhere, affordably. By leveraging social networks and health data, NETROMETER keeps people connected to the right providers and vendors to ensure they get the eyecare they need.

#### CAN LUSE THE TRIGGER WITH ANY FRAME?

In some cases, the nose pads are in the way of the clamping mechanism. Use the NETROMETER on a table top and use hand to gently press the lens down against the surface without using trigger.

### I GET THE MESSAGE: "INVALID RESULTS. MAKE SURE LENS WAS INSERTED CORRECTLY"

- Make sure no lens is inserted when you choose "Single Vision" or "Progressive Beta" on the start screen.
- Make sure the lens was in the field of view of the camera. When moving around the glasses, the dot should also move. If not, the lens might be out of the field of view of the camera

#### I GET THE MESSAGE: "UNABLE TO FIND THE PATTERN"

- Make sure phone is fully attached
- Make sure there is no obstruction between camera and pattern

#### WHEN DO I NEED TO RECHARGE THE PHONE?

NETROMETER works when smartphone battery is above 20%. Don't let the battery go below that level, as the phone starts a battery save mode and does not function appropriately for lens measurement.



Warranty and Support

All Eyenetra devices are guaranteed for 1-year from date of purchase. If you purchased directly from Eyenetra, please contact customer service by calling **Monday** thru **Friday** 9:00 AM - 5:00 PM (EST) +1 (857) 997 2057 or by visiting our customer support website at store.eyenetra.com with any issues. If you purchased from an authorized re-seller, please contact them directly.

#### LIMITED WARRANTY - HARDWARE

This warranty applies only to mechanical devices: NETRA, NETROMETER, and NETROPTER, referred to as (the PRODUCT). For software warranty please see the Limited Warranty - Software

#### A. LIMITED WARRANTY

Eyenetra, Inc. (Eyenetra) warrants to the original purchaser that the PRODUCT will be free from defects in material and workmanship for a period of one year from the date of delivery. Eyenetra does not warrant that operation of the PRODUCT will be error-free or uninterrupted. If the PRODUCT is found to be defective during the warranty period, the part(s) and labor required to repair the PRODUCT will be provided by Eyenetra free of charge. To receive warranty repair the PRODUCT must be returned to Eyenetra. This warranty is subject to the following exceptions and limitations:

- The customer shall be responsible for proper maintenance and handling of the PRODUCT.
- No warranty is extended to any PRODUCT that has been altered or modified in any way.
- No warranty is extended to any PRODUCT that has been misused, or damaged.

#### B. TERM OF WARRANTY

This limited warranty covers the PRODUCT for one year from the date of delivery. If you receive supplements, updates, or replacement PRODUCT during that year, they will be covered for the remainder of the warranty or 30 days, whichever is longer.

#### C. EXCLUSIONS FROM WARRANTY

This warranty does not cover problems caused by your acts (or failures to act), the acts of others, or events beyond Eyenetra's reasonable control.

#### D. NO OTHER WARRANTIES

This limited warranty is the only warranty from Eyenetra. Eyenetra gives no other express warranties, guarantees or conditions. Where allowed by your

local laws, Evenetra excludes implied warranties of merchantability, fitness for a particular purpose and non-infringement.

#### E REMEDY FOR BREACH OF WARRANTY

If Eyenetra cannot repair a defective PRODUCT, Eyenetra will replace the PRODUCT or refund the amount shown on the invoice for the PRODUCT. To receive a refund you must return the PRODUCT and other associated materials to Evenetra. This is your only remedy for breach of this limited warranty.

#### E CONSUMER RIGHTS NOT AFFECTED

You may have additional consumer rights under your local laws that this agreement cannot change.

#### G NO LIABILITY

In no event shall Eyenetra be liable for any damages (including, without limitation, lost profits, business interruption, or lost information) arising out of your use of or inability to use the PRODUCT, even if Eyenetra has been advised of the possibility of such damages. No distributor, dealer or other party is authorized to make any warranty on behalf of Eyenetra, or to assume for Evenetra any other liability with respect to its PRODUCTs.

#### LIMITED WARRANTY - SOFTWARE

This warranty applies only to software applications and firmware (the SOFTWARE). For hardware warranty please see the Limited Warranty -Hardware

#### A. LIMITED WARRANTY

Eyenetra, Inc. (Eyenetra) warrants that if you follow the instructions, the SOFTWARE will perform substantially as described in the Evenetra materials that you receive in or with the SOFTWARE. Evenetra does not warrant that the operation of the SOFTWARE will be error-free or uninterrupted. If the SOFTWARE is defective Evenetra will repair or replace the SOFTWARE free of charge. This warranty is subject to the following exceptions and limitations:

- No warranty is extended to any SOFTWARE that is being used on unsupported operating systems and/or computer hardware.
- No warranty is extended to any SOFTWARE that has been altered or modified in any way.
- No warranty is extended to any SOFTWARE that is being used on a system that has been corrupted by computer viruses, spy ware, or any third party software or device.

#### B. TERM OF WARRANTY

This limited warranty covers the SOFTWARE for one year from the date of delivery. If you receive supplements, updates, or replacement SOFTWARE during that year, they will be covered for the remainder of the warranty or 30 days, whichever is longer.

#### C. EXCLUSIONS FROM WARRANTY

This warranty does not cover problems caused by your acts (or failures to act), the acts of others, or events beyond Eyenetra' reasonable control.

#### D. NO OTHER WARRANTIES

This limited warranty is the only warranty from Eyenetra. Eyenetra gives no other express warranties, guarantees or conditions. Where allowed by your local laws, Eyenetra excludes implied warranties of merchantability, fitness for a particular purpose and non-infringement.

#### E. REMEDY FOR BREACH OF WARRANTY

If Eyenetra cannot repair the defective SOFTWARE Eyenetra will replace the SOFTWARE through a reinstallation process. This is your only remedy for breach of this limited warranty.

#### F CONSUMER RIGHTS NOT AFFECTED

You may have additional consumer rights under your local laws that this agreement cannot change.

#### G. NO LIABILITY

In no event shall Eyenetra be liable for any damages (including, without limitation, lost profits, business interruption, or lost information) arising out of your use of or inability to use the SOFTWARE, even if Eyenetra has been advised of the possibility of such damages. No distributor, dealer or other party is authorized to make any warranty on behalf of Eyenetra, or to assume for Eyenetra any other liability with respect to its SOFTWARE.

#### CHANGING THESE TERMS

Eyenetra, Inc. may change these terms by posting notice on its website. Warranty and Support Statement Last Updated: August 7, 2015.



## Terms of Sale

TERMS OF SALE --- PLEASE READ CAREFULLY: THE FOLLOWING TERMS WILL GOVERN PURCHASES MADE VIA THE EVENETROMETER STORE (STORE. EYENETROMETER.COM). BY USING, PURCHASING AN EYENETROMETER PRODUCT OR SERVICEE, OR BY CHOOSING THE "I ACCEPT" OPTION LOCATED ON OR ADJACENT TO THE SCREEN WHERE THESE TERMS MAY BE DISPLAYED, YOU AGREE TO THE TERMS BELOW. IF YOU ARE ACCEPTING THESE TERMS ON BEHALF OF ANOTHER PERSON OR A COMPANY OR OTHER LEGAL ENTITY, YOU REPRESENT AND WARRANT THAT YOU HAVE FULL AUTHORITY TO BIND THAT PERSON, COMPANY, OR LEGAL ENTITY TO THESE TERMS. IF YOU DO NOT AGREE TO THESE TERMS, DO NOT PURCHASE EYENETROMETER PRODUCTS OR SERVICES.

- Parties. These terms represent the agreement ("Agreement") that governs the purchase of products and services from Eyenetra, Inc. ("Eyenetra") by the individual or entity purchasing products or services from Eyenetra ("Customer").
- Application. These terms apply to products, including without limitation, the NETROMETER, NETRA, and NETROPTER ("Eyenetra Products"), software included in Eyenetra Products ("Eyenetra Software"), and services ("Eyenetra Services") made available for sale from Eyenetra via the Eyenetra Store.
- 3. Orders. "Order" means an order placed by a Customer that has been accepted by Eyenetra, including any supporting material which the parties identify as incorporated either by attachment or reference ("Supporting Material"). Supporting Material may include (as examples) product lists, hardware or software specifications, standard or negotiated service descriptions, data sheets and their supplements, and statements of work (SOWs), published warranties and service level agreements, and may be available to Customer in hard copy or by accessing the Eyenetra Store.
- 4. Prices and Taxes. Prices will be as quoted as set out on the Eyenetra Store website at the time an Order is submitted to Eyenetra and accepted. Prices are exclusive of taxes, duties, and fees (including installation, shipping, and handling) unless otherwise quoted.
- Payment. Payment is due as specified in the Eyenetra web-site in U.S. Dollars. Eyenetra may suspend or cancel performance of open Orders or Eyenetra Services if Customer fails to make payments when due.
- Title. Except as provided herein, title and risk of loss to Eyenetra Products
  will pass on shipment to Customer. Eyenetra Software: (1) is owned or
  licensed by Eyenetra; (2) is proprietary to Eyenetra and its licensors; and
  (3) constitutes trade secrets of Eyenetra and its licensors.
- Delivery. Eyenetra will use commercially reasonable effort to deliver products in a timely manner. Eyenetra anticipates first delivery of Evenetra products will take place in February of 2016.

- 8. Services. Eyenetra Services, including without limitation, support services will be described in the applicable Supporting Materials and Statements of Work, which will cover the description of Evenetra's offering, eligibility requirements, service limitations and Customer responsibilities, as well as the Evenetra Products supported.
- 9. Eligibility. Eyenetra's service, support and warranty commitments do not cover claims resulting from: (a) improper use, environmental conditions or non-compliance with applicable Supporting Material: (b) modifications or improper system maintenance or calibration not performed by Eyenetra or authorized by Eyenetra; (c) malware (e.g. virus, worm, etc.) not introduced by Eyenetra; or (d) abuse, negligence, accident, fire or water damage, electrical disturbances, transportation by Customer, or other causes beyond Evenetra's control.
- 10. Client Cooperation. Eyenetra's ability to deliver Eyenetra Products and services will depend on Customer's reasonable and timely cooperation and the accuracy and completeness of any information from Customer.
- 11. Product Performance. All Evenetra Products are covered by Evenetra's limited warranty statements that are provided with the products or otherwise made available on the Eyenetra Store web-site. All Eyenetra warranties begin on the date of delivery.
- 12. Services Performance. Services are performed using generally recognized commercial practices and standards. Customer agrees to provide prompt notice of any such service concerns and Evenetra will re-perform any service that fails to meet this standard.
- 13. Intellectual Property Rights. Except as provided herein, no transfer of intellectual property will take place upon the sale of any Evenetra Products.
- 14. License Grant. Evenetra grants Customer a non-exclusive license to use the version or release of the Eyenetra Software included in Eyenetra Products included in an Order. Permitted use is for internal purposes only (and not for further commercialization). Customer agrees that it will also not copy, modify, reverse engineer, disassemble decrypt, decompile or make derivative works of any Eyenetra Software licensed to Customer under this Agreement unless permitted by statute, in which case Customer will provide Eyenetra with reasonably detailed information about those activities. Unless otherwise specified, any license granted is perpetual, provided however that if Customer fails to comply with the terms of this Agreement, EyeNeta may terminate the license upon written notice. Immediately upon termination, Customer will either destroy all copies of the software or return them to Evenetra.
- 15. Intellectual Property Rights Infringement. Eyenetra will defend and/ or settle any claims against Customer that allege that an Eyenetra Product or service as supplied under this Agreement infringes the

intellectual property rights of a third party. Eyenetra's obligations under this paragraph are conditioned upon Customer's prompt notification of the claim and cooperation with our defense. Eyenetra may modify the product or service so as to be non-infringing and materially equivalent, or may procure a license. If these options are not available, Eyenetra will refund to Customer the amount paid for the affected product in the first year or the depreciated value thereafter or, for support services, the balance of any pre-paid amount. Eyenetra is not responsible for claims resulting from any unauthorized use of Eyenetra Products or services. This paragraph constitutes Customer's sole remedy for a claim of intellectual property rights infringement.

- 16. Updates. Eyenetra may make new software versions, releases or maintenance updates ("Updates"). Additional licenses or fees may apply for these Updates. Updates are subject to the license terms in effect at the time that Eyenetra makes them available to Customer.
- Compliance. The Customer is responsible for complying with all local laws and regulations with respect to the purchase and use of EyeNetra's products.
- Force Majeure. Neither party will be liable for performance delays nor for non-performance due to causes beyond its reasonable control, except for payment obligations.
- 19. Termination. Either party may terminate this Agreement on written notice if the other fails to meet any material obligation and fails to remedy the breach within a reasonable period after being notified in writing of the details. If either party becomes insolvent, unable to pay debts when due, files for or is subject to bankruptcy or receivership or asset assignment, the other party may terminate this Agreement and cancel any unfulfilled obligations. Any terms in the Agreement which by their nature extend beyond termination or expiration of the Agreement will remain in effect until fulfilled and will apply to both parties' respective successors and permitted assigns.
- 20. General. This Agreement, along with Eyenetra's Terms of Sale and other documents referenced herein, represent our entire understanding with respect to its subject matter and supersedes any previous communication or agreements that may exist. Modifications to the Agreement will be made only through a written amendment signed by both parties. The Agreement will be governed by the laws Commonwealth of Massachusetts, without regard to conflicts of laws provisions, and the courts of that locale will have jurisdiction. Customer and Eyenetra agree that the United Nations Convention on Contracts for the International Sale of Goods will not apply. This Agreement shall be binding on each party's successors and assigns.



Refund Policy

#### RETURNS

Our policy is 10 days risk-free. You have 10 days from the date of receipt to use and return the product to be eligible for a refund.

To be eligible for a return, your item must be in excellent condition (the same condition that you received it.) It must also be in the original packaging.

There are certain situations where only partial refunds are granted. For example, if an item is not in its original condition, is damaged, or is missing parts for reasons not due to EyeNetra's error, then partial refunds may be granted.

#### REFUNDS (IF APPLICABLE)

Once your return is received and inspected, we will send you an email to notify you that we have received your returned item. We will also notify you of the approval or rejection of your refund. If you are approved, then your refund will be processed, and a credit will automatically be applied to your credit card or original method of payment, within a certain amount of days.

#### LATE OR MISSING REFUNDS (IF APPLICABLE)

If you haven't received a refund yet, first check your bank account. Then, contact your credit card company or bank, it may take some time before your refund is officially posted. There is often some processing time before a refund is posted. If you've done all of this and you still have not received your refund yet, please contact us at info@eyenetra.com.

#### **EXCHANGES UNDER WARRANTY**

Please refer to the Warranty and Support section of this user manual for detailed instructions.

#### SHIPPING

If you purchased your product directly from EyeNetra, you should mail your product to: 35 Medford St., Suite #302, Somerville Massachusetts USA 02143. You will be responsible for paying for your own shipping costs for returning your item. Shipping costs are non-refundable. If you receive a refund, the cost of return shipping will be deducted from your refund.

If you purchased your product from an authorized reseller, please contact them directly for detailed shipping instructions.

Depending on where you live, the time it may take for your exchanged product to reach you, may vary.

You should consider using a trackable shipping service or purchasing shipping insurance. We don't guarantee that we will receive your returned item.

### NETROMETER USER MANUAL DIGITAL VERSION

http://www.eyenetra.com/manual/netrometer.pdf







EyeNetra 35 Medford St. #302 Somerville, MA 02143 USA

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