



**NATIONAL BOARD
OF EXAMINERS IN OPTOMETRY**

National Center of Clinical Testing in Optometry®

Clinical Skills Exam

SITE INFORMATION AND EQUIPMENT LIST

Part III – Clinical Skills Examination (CSE®)

August 2020 – July 2021

The information listed in this Site Information and Equipment List is for informational purposes only. There may be additional equipment or supplies on-site during the exam that may not be reflected in this manual. Additionally, equipment and supplies may change without warning.

This information is not intended to prepare Candidates for the exam, but instead is intended to provide a general overview of equipment and supplies used during the exam. Candidates are reminded to thoroughly review the Evaluation Forms and Candidate Guide to adequately prepare for the Part III, Clinical Skills Examination.

NCCTO® SITE INFORMATION AND EQUIPMENT LIST OVERVIEW

NCCTO EQUIPMENT-ONLY QUICK REFERENCE:

Station 1:

Reliance 6200-L Chair Reliance
M&S Smart System II 20/20 Basic Projector
Marco 101 Lensmeter
Blood Pressure Simulator Life Form 01095
Welch Allyn 3.5v 41100 Transilluminator

Station 2:

Reliance 6200-L Chair Reliance
7900-IC Floor Stand
Haag-Streit 900 BI Slit Lamp Video System
Volk G-3 Three-Mirror Glass Gonio Fundus Lens with Flange

Station 3:

Reliance 6200-L Chair Reliance
7900-IC Floor Stand
Reichert 11636 Minus Cylinder Back Illuminated Ultramatic Rx Master Phoropter Refractor
M&S Smart System II 20/20 Basic Projector
Welch Allyn 18245 Elite Streak Retinoscope

Station 4:

Reliance 6200-L Chair Reliance
7900-IC Floor Stand
Haag-Streit 900 BI Slit Lamp Video System
"Modified" Keeler BIO Vantage Plus Slimline Wireless Plus Indirect System with +2.00 Oculars
Volk 20D Lens
Volk Digital Clear Field Lens
Volk VDGTL1 Digital High Mag Imaging Lens
Volk Digital Wide Field Lens
Volk 78D & 90D Lenses

All Stations

The following information is identical in all exam rooms

Main Overhead Light Switch

Dimmer Switch & Slider

Located behind computer workstation

Location of this switch is the same in EVERY exam room

Main Overhead Light Switch is located on the LEFT

Dimmer switch is located on the RIGHT

Slider to adjust dimmer brightness is on the RIGHT side of the dimmer switch



Normal room illumination
is when overhead lights are
on



Slider to adjust
dimmer brightness

All Stations

The following information is identical in all exam rooms

Under Cabinet Light Switch

Located above sink counter, by soap dispenser

Location of this switch is the same in EVERY exam room

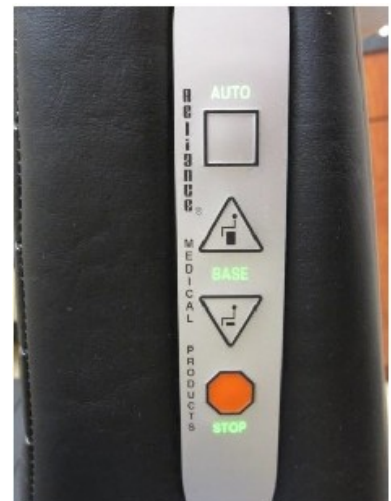


All Stations

The following information is identical in all exam rooms

Exam Chair Overview

Reliance 6200-L Chair Reliance



All Stations

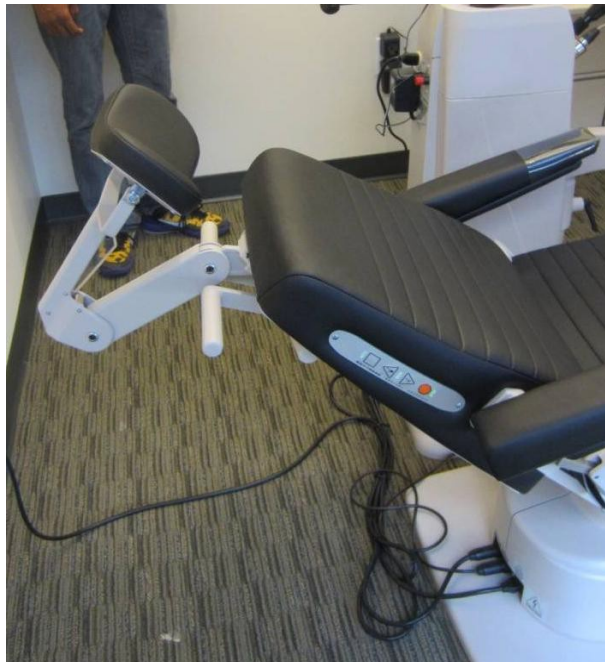
The following information is identical in all exam rooms

Exam Chair Overview

Reliance 6200-L Chair Reliance

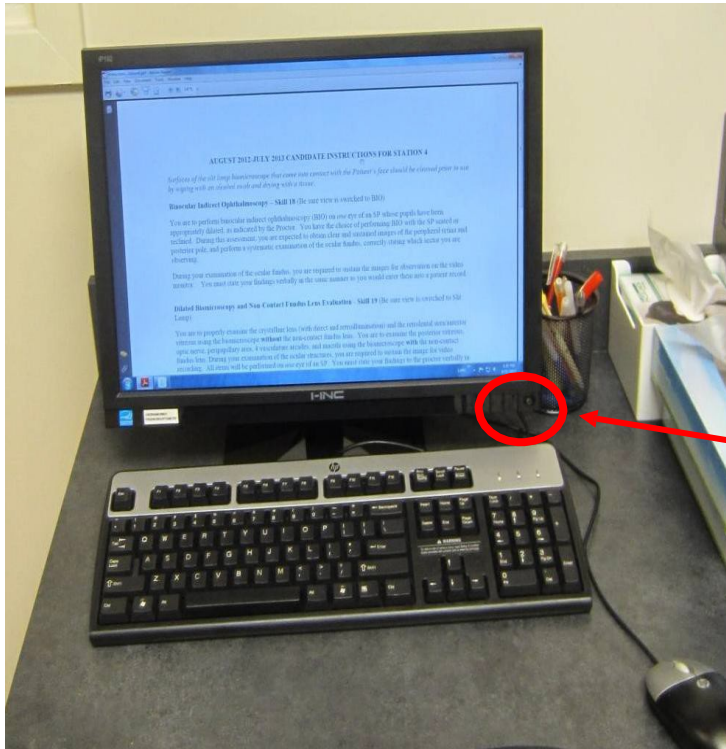
To recline the exam chair:

- Pull DOWN on the lever located on the back of the chair
- Lower the chair and position appropriately
- Release the lever while lowered to lock the chair in place



All Stations

The following information is identical in all exam rooms



Computer Workstations

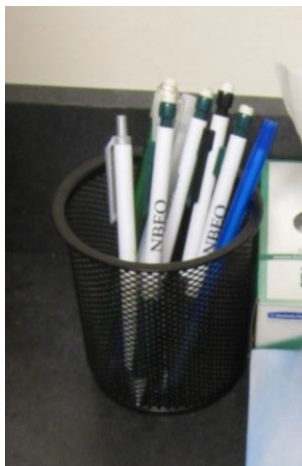
- Displays Station Instructions
- Not an item-by-item list, but a brief overview of Skills expected to be performed
- Turn the monitor off/on by pressing the button on the bottom right corner

Repeat Policies

Posted on the back of the exam room doors, next to the computer workstation

Pens & Pencils are provided in each Station for Candidate use

Band-Aids are available in all Stations in the event an injury occurs

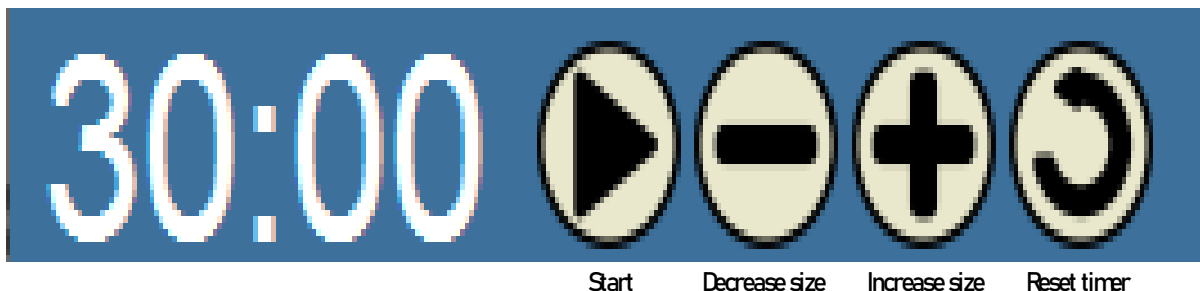
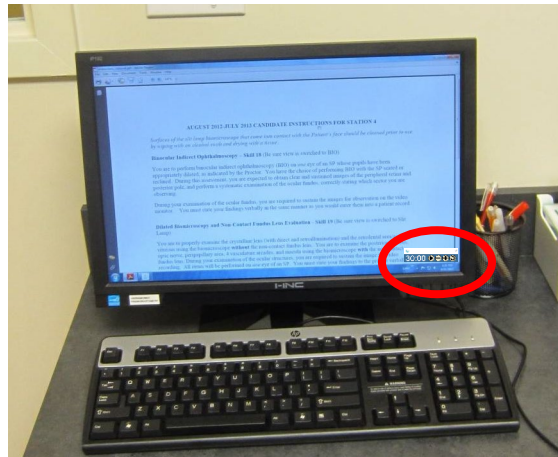


All Stations

The following information is identical in all exam rooms

A countdown clock will be available on the exam room computer monitor for Candidates to use. Use of the countdown clock is optional.

Countdown clocks on the computers are **NOT THE OFFICIAL CLOCKS** that determine a candidate's time.



Once the announcement to begin plays, that is when official testing time begins. Once the announcement plays ending the exam, time ends. Candidates wishing to use the countdown clock in the rooms must press the START button to begin the countdown clock. There may be a delay between when the announcement plays and when a candidate presses START thus the time on the computer may be less than 30 minutes (**15 minutes for Station 4**). Using the countdown clock in the room is optional and only to provide Candidates assistance in determining the amount of time remaining in the station. Again, these clocks are not the official time keepers of the exam.

Station 1 Equipment & Supplies



Station 1 Room View

Transilluminators

Welch Allyn 3.5v 41100 Transilluminator



Prism Bars

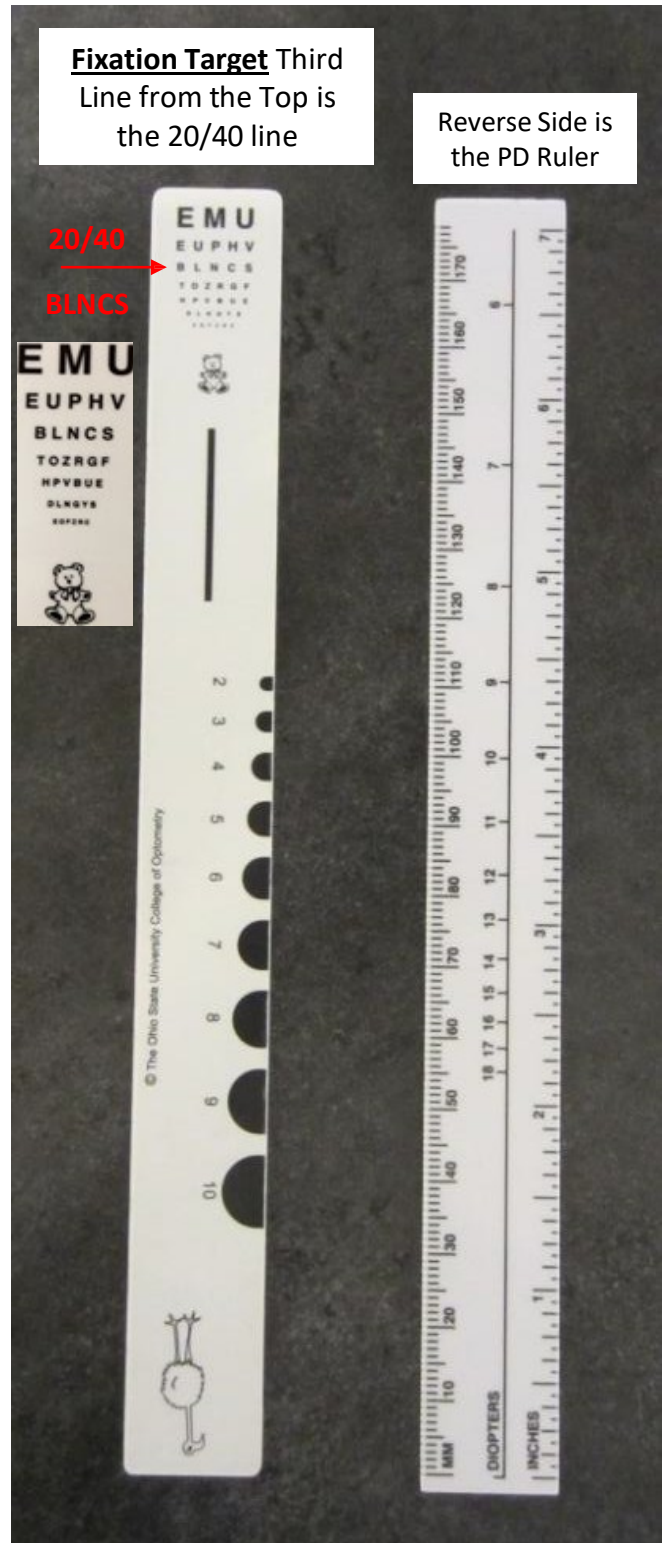


M&S Acuity Chart Remote Control

(see Station 3 for detailed
remote information)



Station 1 Equipment & Supplies



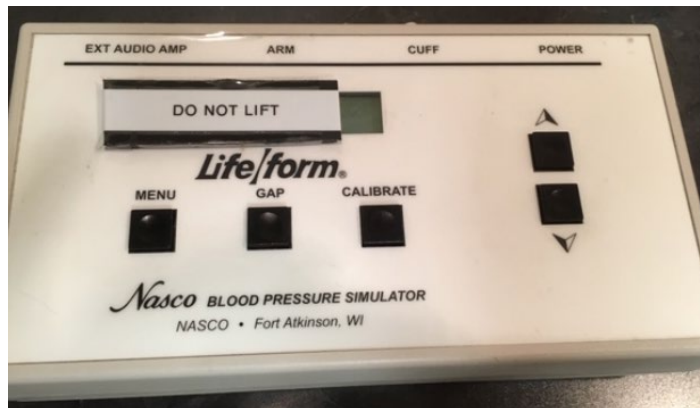
Station 1 Equipment & Supplies

Simulated Blood Pressure Arm and Equipment Overview

Blood Pressure Simulator Life Form 01095



The simulated arm is attached to a control box. The display of the control box is partially covered. Lifting the cover will result in failure of the Blood Pressure Skill. Do not lift the cover.



Candidates will need to turn on the box before pumping the BP cuff. The power button is located at the top right corner of the control box.

As soon as the power button is pressed, the machine will be ready to use.

Candidates can verify the machine is turned on by viewing the letters in the corner of the display.

Station 1 Equipment and Supplies

Lensmeter and Lensometry Supplies

Marco 101 Lensmeter

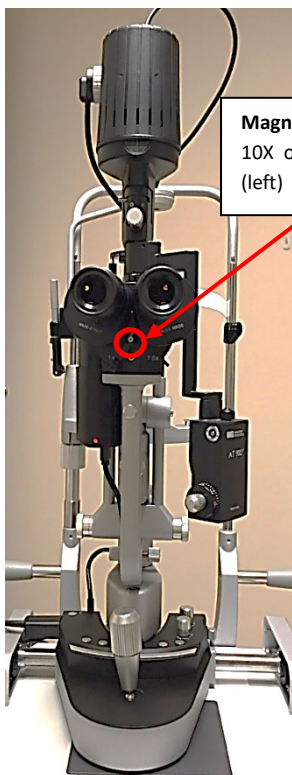


Candidates are responsible for focusing and zeroing the lensmeter



The pair of Progressive lenses will have necessary markings needed to obtain adequate findings. Glasses will vary for each exam.

Station 2 Equipment & Supplies



Magnification:
10X or 16X
(left) (right)

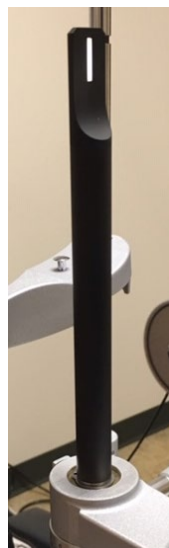
**All Station 2 Skills are performed
using the Slit Lamp**

Haag-Streit 900 BI Slit Lamp Video System

CAMERA IS ON THE LEFT OCULAR

Candidates must
use focus rod to
focus the oculars.

Power:
blinking green=standby; solid green=on



Station 2

Slit Lamp Settings Overview



Bright White

Largest Aperture - No Filters

Top pin pushed to the **Left** all the way



Blue Filter

Circular dial turned all the way to the **Left** so "B" is displayed



Yellow Filter

If the lever is at the Solid White Circle, the filter is **IN**

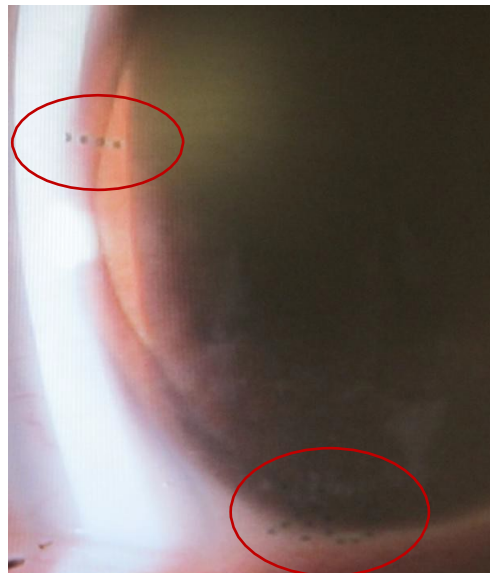
If the lever is NOT at the Solid White Circle, the filter is **OUT**

Station 2

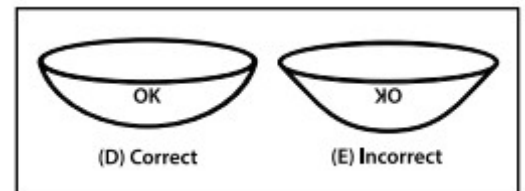
Slit Lamp Settings Overview



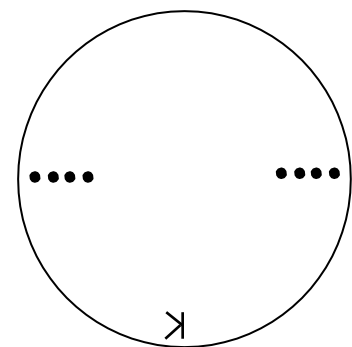
Toric Soft Contact Lens



Correct orientation off eye



Correct orientation on eye



Station 2 Supplies Overview

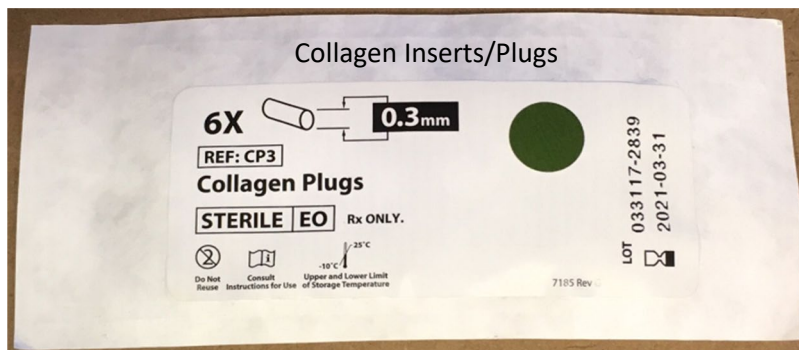
Note: The brand of the item may change and be different than what is displayed

Tray

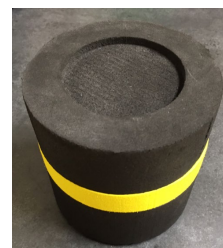
Example of Station 2 Supplies set-up on the counter ready for use



- Tray will contain ready to use, already disinfected, gonio lens, tonometer, forceps.
- Do not touch these instruments unless it is during exam time and you have washed your hands.
- After using the instruments please place on the clean paper towel.



Elbow Rest



Gonio Lens Example

Volk G-3 Three-Mirror Glass Gonio Fundus Lens with Flange



Alcohol Wipes



Kim Wipes



Tissues



Station 2 Supplies Overview

Note: The brand of the item may change and be different than what is displayed



RGP Contact Lens Example

Toric Soft Contact Lens Example



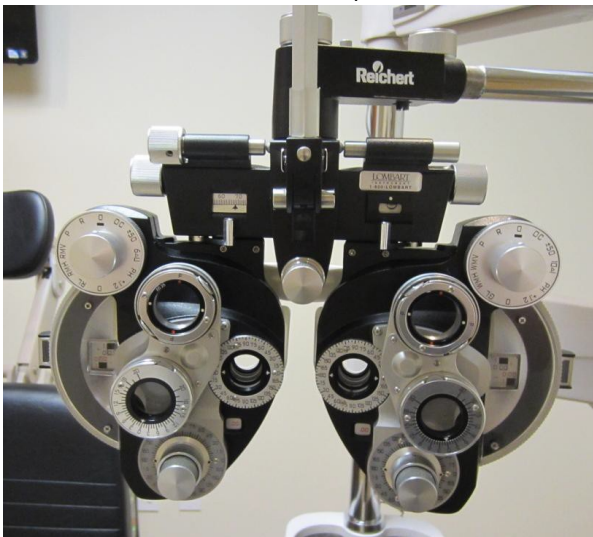
Cotton Tipped Applicators

Station 3 Equipment and Supplies



Station 3 Room View

Reichert 11636 Minus Cylinder Back Illuminated Ultramatic Rx Master Phoropter Refractor



Tissues



Cover Paddles / PD Rulers examples



Kim Wipes



Alcohol Wipes

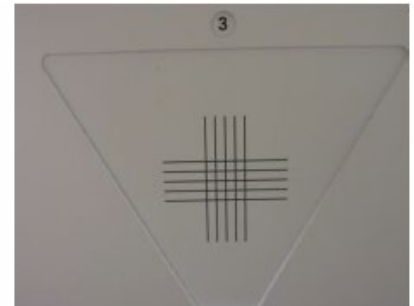


Welch Allyn 18245 Elite Streak Retinoscope



Station 3 Equipment and Supplies

Phoropter Near-Card Overview



Station 3 Equipment and Supplies

Remote Control Overview

Guidance for Commonly Used Settings

FNC – “Shift” Key provides access to less commonly used features (FNC + 400 at the same time provides red/green 20/400 target)

LTR – Provides a descending chart of lines of letters. Press again to randomize the chart

R/G – Red/Green

SGL – Displays a single letter

LINE – Displays a single line of letters

LINES – Displays 3 lines of letters of the same size

VLine – Displays A vertical line of letters

B – Blank/Black Screen (press any button to turn the screen back on)

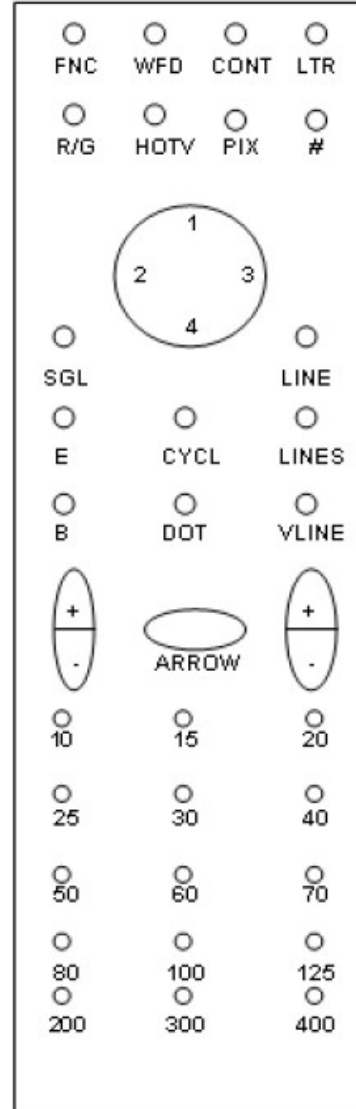
CYC – Single line on screen will randomize at regular timing intervals

Arrow – Displays an arrow beneath the first letter in a single line – vertical or horizontal

+ – Scroll up in letter size

- – Scroll down in letter size

10, 15, 20 etc – Select a given acuity level. e.g. 30 = 20/30. Pressing a 2nd time will randomize



Additional Remote Tips

Randomizing – There are several ways to randomize the display:

1. Press the test mode button again. For example, if you desire to randomize the letters, simply press **LTR** a second time
2. Press the size button again. For example if the top line of the chart is 20/40 and you wish to randomize the chart, simply press **40**
3. If working with a single letter or single line, press the **SGL** or **Line** button a second time

To access a particular size letter or a particular line of the chart, press the numbered button corresponding to it. For example to bring up 20/100, press **100**

Station 4 Equipment and Supplies



**Station 4
Room View**



Station 4 Equipment and Supplies

BIO Headset Overview

"Modified" Keeler BIO Vantage Plus Slimline Wireless Plus Indirect System



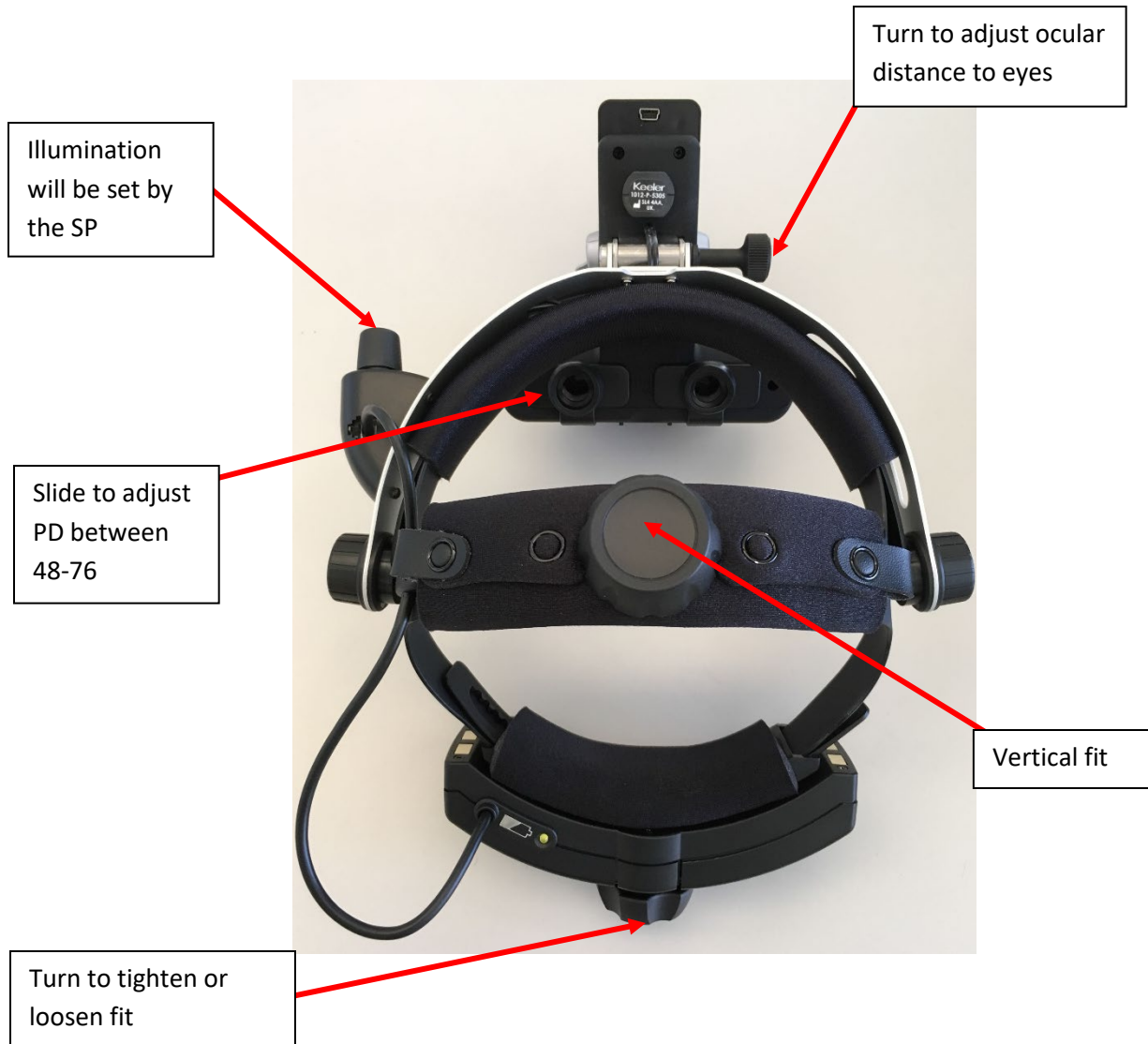
- The BIO Headset will be hanging on the light stand in Station 4.
- Without an appropriate working distance (18-25 inches) the target may appear decentered.

FIXED

- aperture
- filter
- brightness
- circle beam height

ADJUSTABLE

- fit behind head
- fit on top of head
- PD
- angle of ocular to eyes



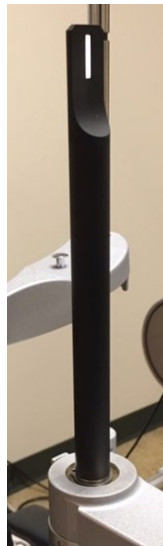
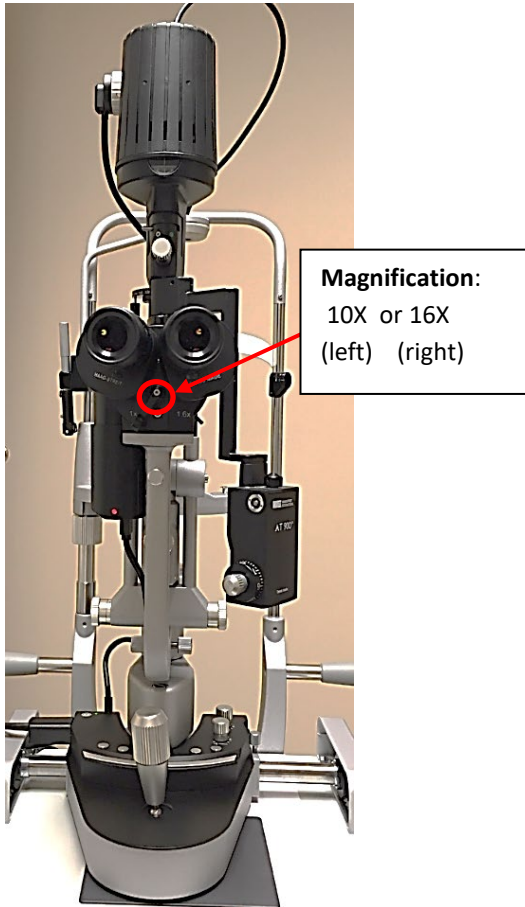
Station 4 Equipment & Supplies

Station 4 Slit Lamp

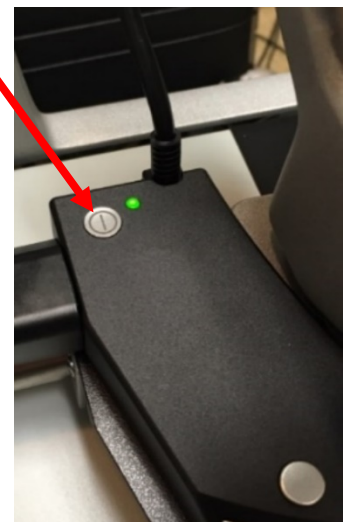
Haag-Streit 900 BI Slit
Lamp Video System

*Camera is on the left ocular

Candidates must
use focus rod to
focus the oculars



Power:
blinking green=standby
solid green=on



Station 4 Lens Overview

The following lenses are available for
Candidate use during
Skill 18 and Skill 19

- Volk 20D Lens
- Volk Digital Clear Field Lens
- Volk VDGT1 Digital High Mag Imaging Lens
- Volk Digital Wide Field Lens
- Volk 78D & 90D Lenses



Miscellaneous Supplies

Alcohol Wipes



Kim Wipes



Tissues



Elbow Rest

