OPTIKAM MEASUREMENT GUIDE

1
Place the Optikam Posture Device (OPD)
Place the OPD on the frame and adjust the bottom legs by sliding them so that they hook securely on the bottom of the frame.

Note: It is important to fit the frame and adjust the temples and nose pads before beginning the measurement process.

Hooks
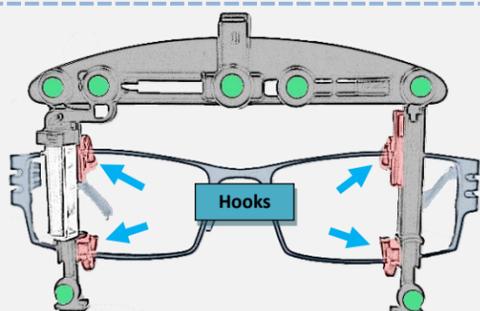
2
Set the Wrap Arm
Move the wrap arm until its back edge is parallel with the frame. (viewed from above).

Wrap Arm
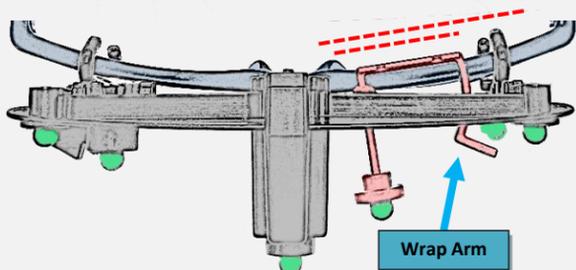
3
Set the Prism
Ask the customer to wear the frame.
Move the prism carrier horizontally until the pupil is visible in the prism when directly facing the customer.

Prism Carrier
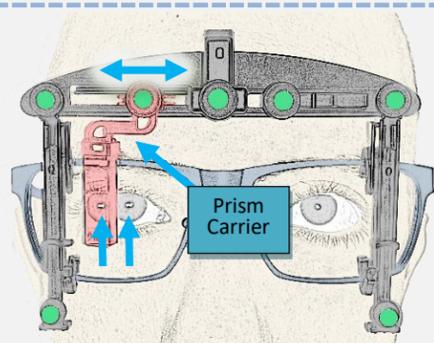
4
Connect to the OPD
Select the Frame Type and the Lens Type, ① then select the OPD from the Device List to connect to it. ②
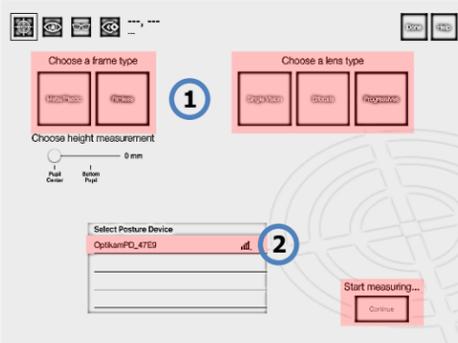
OPD Front Indicator Light:

Blinking Blue	The device is awake and ready to connect.
Blinking Green	The device will display a short green blink when connected to.

Note: The OPD is activated through movement. The device will shut off when not connected to and motionless for 2 minutes.

Capture the Natural Posture
Ensure that the customer is in their natural posture using standard opticianry techniques. The customer's posture should be observed, and if needed adjusted and re-captured.

Touch the Capture Posture button to record the current posture. ③

The Posture Indicator Bar assists in the capture process as it shows the current live posture in Red and the captured posture in Blue. ④

OPTIONAL: The Validate Posture button will place the OPD in a special mode where it will use the OPD indicator light to signal that the current customer pantoscopic tilt reading is within range of the captured posture. ⑤

Green	Current customer pantoscopic tilt reading is within range of selected posture.
Red	Current customer pantoscopic tilt reading is outside of range of selected posture.
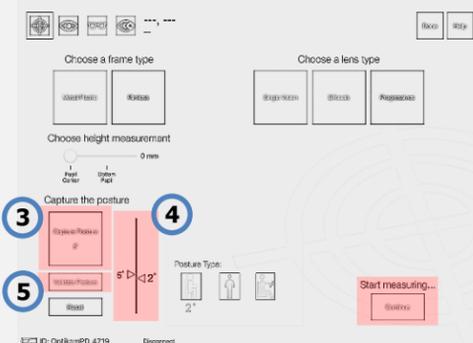
5
Capture the measurement image
Hold up the tablet so that all the green sensors of the OPD take up as much space as possible inside the blue rectangle. ①
Follow the on-screen indicator to align the iPad/customer with the captured posture. ②

Position the iPad so that the on-screen indicator displays the center green position.
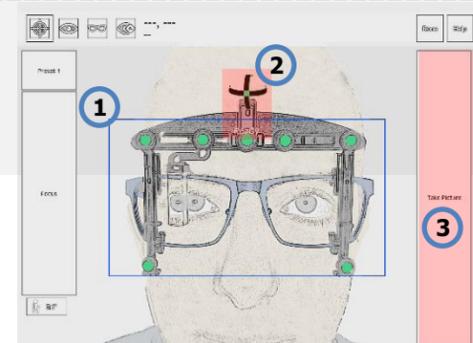
| Camera too low (Captured pantoscopic tilt not reproduced)	Camera too High (Captured pantoscopic tilt not reproduced)	Camera Centered	Camera too far left (Excessive parallax introduced)	Camera too far right (Excessive parallax introduced)
Rotate the iPad forward and re-adjust to make sure that the entire OPD fits within blue rectangle.	Rotate the iPad back and re-adjust to make sure that the entire OPD fits within blue rectangle.	Ready to take image.	Rotate the iPad to the right and re-adjust to make sure that the entire OPD fits within blue rectangle.	Rotate the iPad to the left and re-adjust to make sure that entire OPD fits within blue rectangle.

Ask the customer to look into the camera lens and to wait for the flash.
Touch the "Take Picture" button to take the picture and hold the iPad steady until the picture is taken. ③
Alternatively, keep the "Take Picture" button pressed, position and stabilize the tablet, then release the "Take Picture" button when ready.

Once the image has been captured, if the markers on the image are not automatically placed, there is no need to re-take the image, but you should manually place the markers in their respective positions.

6
Verify the position of the Horizontal Line
Verify that the horizontal line is placed where the lens meets the frame. Use bottom of the lens for rimless frames.
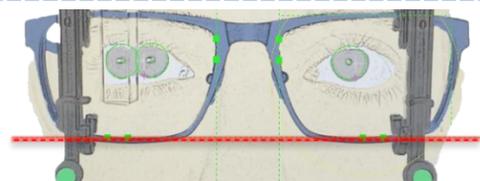
7
Verify the position of the Vertical Lines
Verify that the vertical lines are placed on the inner edge of each lens (not the frame).
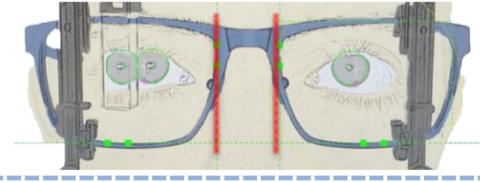
8
Verify the position of the Pupil Markers
Verify that the pupil markers have been placed on the customer's corneal reflections.
Nasal-most corneal reflection should be used for the prism side.
Note: The white Fitting Cross represents the point where the eye is looking through the lens. (Corneal reflection corrected for convergence, tilt and rotation)

Pupil Marker

White Fitting Cross
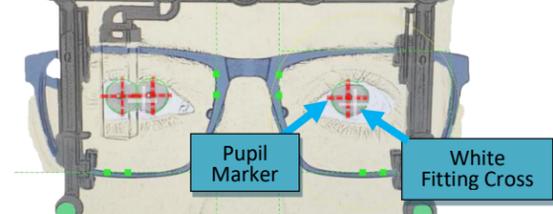
OPTIONAL
Frame Measurements
Complete the frame boxing by lining up the frame measurement lines with the top and right-most edge of the customer's left lens. Adjust the effective diameter slider until the yellow circle is as small as possible but still encompasses the entire lens.

Effective Diameter:
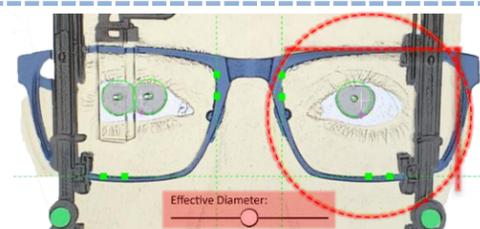
OPTIONAL
Validate Posture
Touching the Validate Posture button on the Results screen activates the live posture mode. A gaze marker near the patient's eyes will indicate in real time where the customer is currently looking through the lens.

If the gaze marker is far away from the recorded white Fitting Cross location, the user can replace the posture by touching the Capture button, which will modify the calculated Fitting Heights.

Note: Different posture types can be captured to demonstrate the viability of the progressive zones for multiple activities or to highlight the need for an additional specialty progressive pair.