

Reichert® OptoChek™ Plus

Quick Reference Guide (Model 15170)

The OptoChek Plus is highly accurate and repeatable. This can easily be demonstrated using the test eye that comes with the device. The patient and operator of the OptoChek Plus play a large role in the accuracy and repeatability of readings during use. In addition, the OptoChek Plus requires manual alignment to the patient's eye via joystick therefore some degree of operator technique may impact results.

Follow the steps below to achieve best measurement results of the OptoChek Plus.

1. The operator should ask the patient to relax and avoid excessive head/eye movement. **Excessive movement can cause misalignment and reading difficulty.**
2. Ask the patient to position their forehead touching the headrest and their chin resting on the chinrest.
3. **Instruct the patient to open their eyes as wide as possible and look straight into the device without tilting their head up or down.** If the patient has deep set eyes the mire ring projection can be obstructed causing reading difficulty.

Note: The circular mire ring projection on the cornea must be continuous when viewed on the LCD screen. It is not a problem if eyelashes slightly obstruct the mire ring.

4. **Ask the patient to stay focused on the balloon only and not on other parts of the picture.** Looking elsewhere will affect Sphere and Cylinder measurements.
5. If the unit is set for Auto or Auto Quick measurement modes the unit will quickly take the measurements after the unit is aligned to the eye. These modes are not auto positioning modes. Measurement will start as soon as the green square is in the center of the circle and the "+" sign is in the white box. **Avoid rapid movements in X, Y and Z directions when aligning the patient. Quick movement after initial alignment of the patient can cause misalignment and inaccurate readings.**
6. After measurement initiates, maintain alignment by holding the position of the joystick.

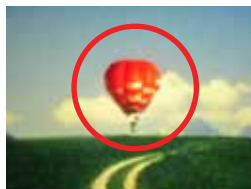
Note: For younger patients (with high accommodation), Auto mode is recommended as it fogs the patient before each measurement vs. Auto Quick mode which fogs once, and takes three quick readings.



Balloon Target



Not OK



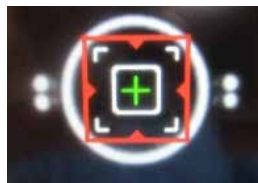
Focus **HERE**



Too Close to Patient



Correct Alignment
of Patient



Too Far from Patient