

APT (Accurate Pupil Tester, *Patent Pending*) Instructions for Use



225 Cadwalader Avenue • Elkins Park, PA 19027 • USA
www.GuldenOphthalmics.com • 800-659-2250

Please refer to the following URL and navigate to the “Video” tab to see a demonstration of proper use of this device: <http://www.guldenophthalmics.com/products/index.php/apt-accurate-pupil-tester.html>

1. Prior to turning on the device, please:
 - Ensure that the Eye Occluder Flipper on the underside of the device is set to the middle position so that both eyes of the patient are visible to the examiner. If the examiner desires to occlude one of the patient's eyes, then the Eye Occluder Flap can be used to do this.
 - If the examiner is Presbyopic or would like to have a magnified view of the patient's pupils, place the desired trial lens (not included) in the lens holder portion of the device.
 - Ensure the Selector Knob is turned to Position 1.
 - See the top of the instrument to confirm that the large lever is set to infinity.
 - Keep the room illuminated.
2. Place the APT in front of the patient's eyes so that the patient's nose is touching the nose bridge and ask them to hold the device with both hands.
3. Turn on the device (located on the right side).
4. If you wish to measure the patient's PD and/or pupil size, the APT can do this extremely accurately. For pupil measurements, move the Sliders to measure the pupil size of the patient. Then dim the room lights and re-measure the pupil sizes. While doing both dim and illuminated measurement, be sure to assess pupil shape.

HINT: To simplify the pupil measurement, set the slider to 30 mm on both eyes. Look through the APT and set the line at the nasal edge of the pupil, then move the slider outward toward the temple edge of the pupil. The difference between 30 mm and your new location is the pupil size. **The pupil size measurement is accurate to ± 0.5 mm and the PD is accurate to ± 2 mm.**

5. Turn the Selector Knob to Position 2.
 - Position 2 is the Express Mode. After a brief pause, the device will now cycle through the entire battery of APD testing: right and left eye direct response to light, one second swing test, and three second swing test.
 - If at any time during the Express Mode the clinician desires to repeat a specific test, the Selector Knob should be turned to the desired position:

- Position 3 = direct response infinite loop
- Position 4 = 1 second swing infinite loop
- Position 5 = 3 second swing infinite loop

When the examiner decides to return to the Express Mode by turning the Selector Knob back to Position 2, the device will pick up where it left off.

Note that the Express Mode will continue in an infinite loop and the device will repeat the entire battery of APD testing until it is powered off or the Selector Knob position is changed by the examiner.

6. Be sure to turn off the device after use because the APT has high power consumption.

*If LEDs begin to fade, please replace the batteries. There are two sliding doors on the underside of the device which can be removed to accomplish this. The device accepts 3 AA batteries. **BE SURE TO INSTALL THE BATTERIES CORRECTLY!** Failure to do so will result in irreversible damage to the device electronics.