

NPi-300 Pupillometer Quick Reference



The NPi-300 provides **objective pupil size and reactivity data** independent of examiner, removing variability and subjectivity. The NPi-300 expresses pupil reactivity numerically as the **Neurological Pupil index, NPi** (see the Neurological Pupil index Scale below).

The Neurological Pupil index™ (NPi®) Pupil Reactivity Assessment Scale

Measured Value*	Assessment
3.0 – 4.9	Normal
< 3.0	Abnormal
0	Non-Reactive, Immeasurable, or Atypical Response

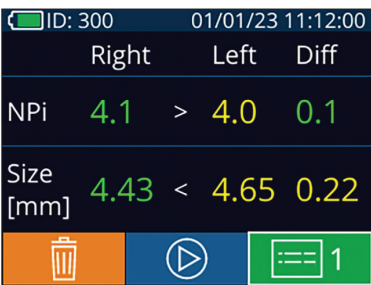
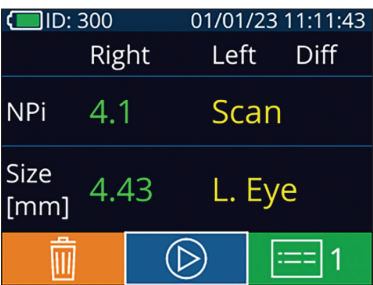
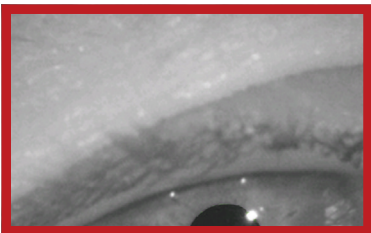
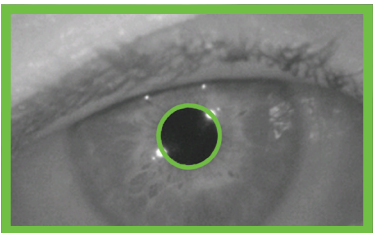
**A difference in NPi between Right and Left pupils of ≥ 0.7 may also be considered an abnormal pupil reading
Per the Neurological Pupil index (NPi) algorithm

Baseline

Obtain a baseline NPi and Size measurement once the patient is admitted to the unit.

Measure Pupils




- Position the NPi-300 with SmartGuard at a right angle to the patient's axis of vision, minimizing any tilting of the device. Place the foam pad at the base of the orbit of the Right or Left eye.
- Press and hold either the **RIGHT** or **LEFT** button until the pupil is centered on the touchscreen and the display shows a green circle around the pupil.
- A **green** frame around the screen indicates the pupil is properly targeted, while a **red** frame around the screen indicates the pupil needs to be re-centered on the screen before the measurement is initiated.
- Once the **green** frame appears, release the button, holding the NPi-300 in place for approximately three seconds until the results screen is displayed.
- Repeat the scan procedure for the patient's other eye to complete the bilateral pupil exam.



Return to the Home Screen

Press the **RIGHT** or **LEFT** buttons (green circles) to return to the Home Screen.

Trend for Changes

- Select the **Records** icon  then the **SmartGuard** icon  to view the patient's most recent measurement. Press the **DOWN Arrow** button  on the keypad to scroll through previous measurements.
- Continue to monitor trends and notify the Provider according to hospital protocol in the event of an abnormal pupil trend or measurement (ie: if NPi < 3.0 or difference in NPi between Right and Left pupil is ≥ 0.7).



Charging the NPi-300 Pupillometer

- After 5 minutes in the Charging Station, the NPi-300 will go to sleep to efficiently charge. The image to the right demonstrates **what successful charging looks like**.
- To confirm the NPi-300 is charging after it has gone to sleep, the indicator light at the bottom of the Charging Station will appear **blue**. The indicator light will turn **green** when fully charged.
- To use the NPi-300, simply remove from the Charging Station, and it will wake up automatically.**



Turning On the NPi-300 Pupillometer

- If the NPi-300 is out of the Charging Station and has powered down, press (do not hold) the **On/Off** button  on the side of the device.

To access additional **NPi-300 Pupillometer Resources** including a **Video Inservice** of the **NPi-300 Pupil Exam**, simply scan the QR code with your device's camera and tap the link.

