NPi®-300

PUPILLOMETER

NEURO PTICS®

NPi®-300 Pupillometer System

The Next Generation in Automated Pupillometry

Manual Pupil Assessment is Highly Subjective and Inaccurate

- Pupillary changes are considered early indicators of neurological change and yet are often **undetectable using traditional manual assessment methods**.*
- Manual pupillary assessment is subject to compounded sources of inaccuracies and inconsistencies and can result in as much as **39% inter-examiner variability and error**.*

Automated Pupillometry Using the NPi-300

- The NeurOptics NPi-300 Pupillometer is a handheld automated device that provides an **accurate, reliable, and objective measurement of pupil size and reactivity.**
- Automated pupillometry is becoming accepted as **best practice** for pupillary assessment in patients cared for in **any area of the hospital where a neurological exam is performed**, including every ICU, the Emergency Department, Progressive Care Units, and more.

NPi = Reactivity

- **The Neurological Pupil index™, NPi®, quantifies pupil reactivity** on a numeric scale from 0-4.9 *(see NPi Pupil Reactivity Assessment Scale)*, so for the first time ever, reactivity can be ***trended*** **over time just like other vital signs.**
- **NPi is the only accurate and objective measurement of pupil reactivity** in many common critical care scenarios, including in the presence of opioids, neuromuscular blocking agents (NMBA's), and sedatives.*

An Abundance of Science

- There are now **over 100 peer-reviewed research articles and scientific abstracts** supporting the value of pupillometry and NPi in improving the quality of the neurological exam and enhancing clinical decision making and patient care.*
- Pupillometry and NPi are included in several **clinical reference texts and national guidelines.***

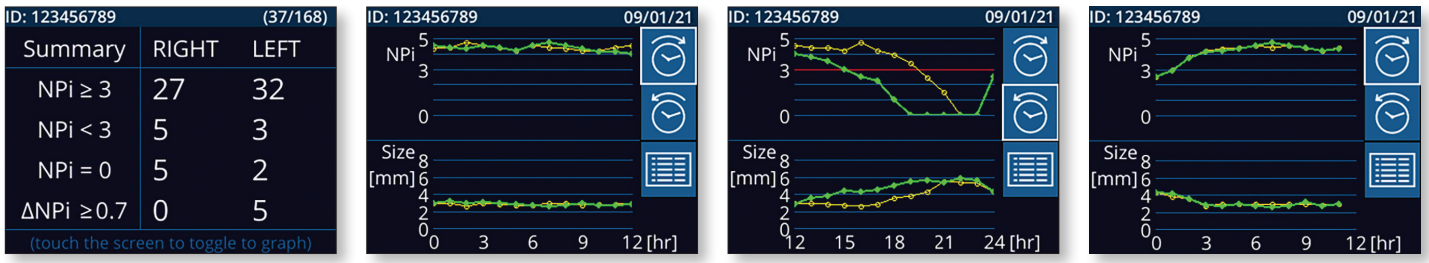
***References**

To access the clinical references (denoted above with a *), scan the QR code to the left or visit the following webpage: https://neuroptics.com/npi-300-brochure-references/

Measure Pupils

- Establish the earliest possible baseline pupil measurement when the patient is admitted to the Emergency Department or ICU.
- Upgraded NPi-300 User Interface and Keypad makes successfully targeting the pupil and taking a measurement easier than ever before.

Trend for Changes



- Trend for changes in NPi and Size over time via your standard pupil assessment protocol.
- New NPi-300 NPi Summary Table quantitatively summarizes number of NPi measurements in normal and abnormal thresholds across patient's entire stay.

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

Measured Value*	Assessment
3.0 – 4.9	Normal/"Brisk"
< 3.0	Abnormal/"Sluggish"
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*

NPi®-300 Pupillometer

- Infrared camera, high-precision optics, processor and LED light source

Incorporated Barcode Scanner (Fig. 1)

- Instantaneous scanning of 1D or 2D patient barcodes

Modern User Interface

- Simple and intuitive icon-based navigation
- Simplified trending screen displaying NPi and Size trends over 12-hour time windows

Texturized Plastic Handle

- Ergonomic grips for easy handling

SmartGuard®

- Single patient-use device with RFID memory chip
- Stores 168 bilateral pupil measurements for duration of patient admission
- Patient data can be disabled in compliance with HIPAA guidelines and facility policies
- Facilitates patient data upload into EMR system

NPi-300 Wireless Charging Station (Fig. 2)

- Completely enclosed wireless charging system with no metal pins or blades for improved reliability and ease of charging
- Durably withstands cleaning with hospital cleaning agents

An accurate, reliable and objective system that enhances pupillary assessment to **assist in detecting cerebral insult, guiding treatment and informing prognosis**

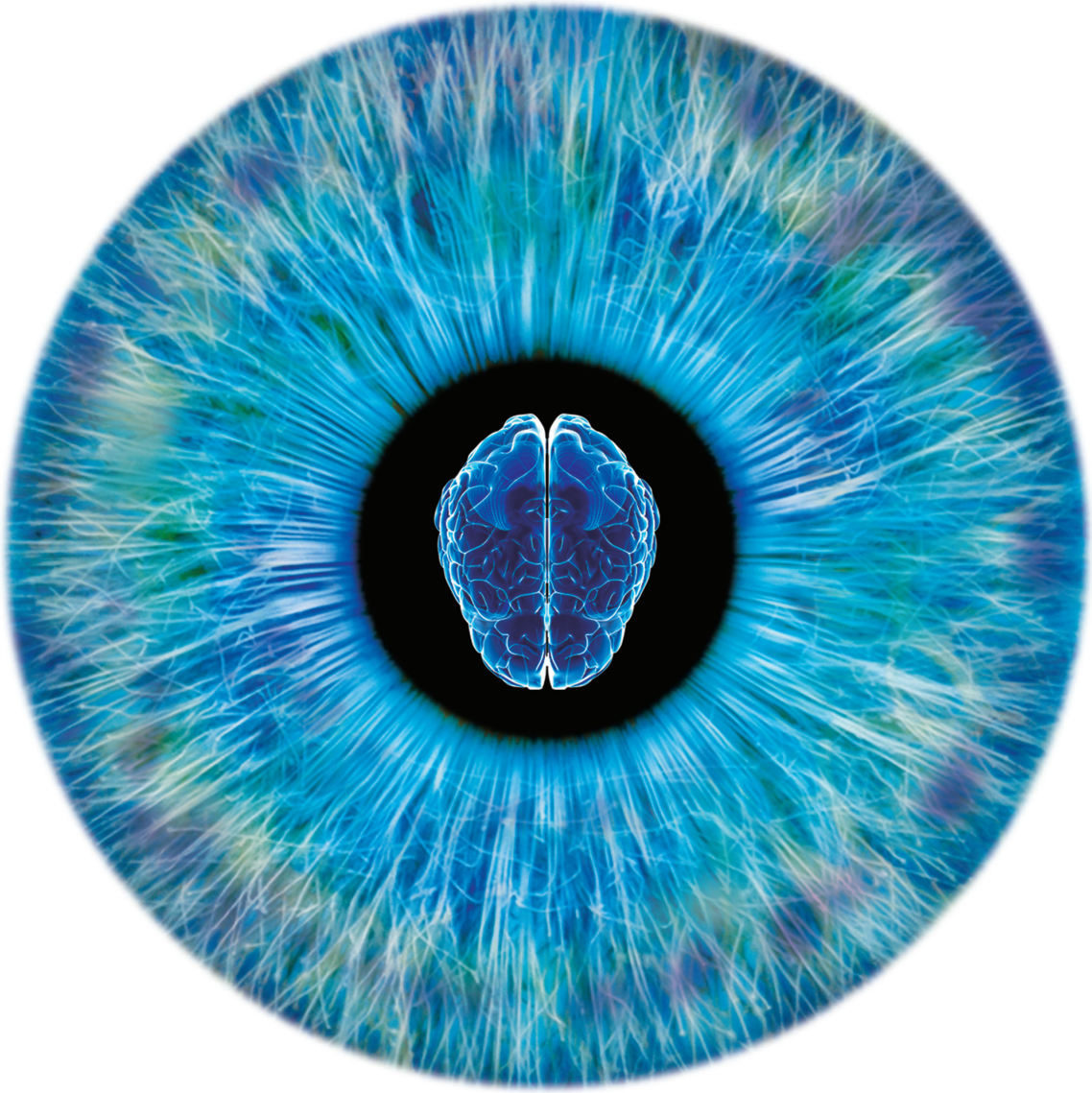
Key Features of the NPi®-300 Pupillometer System

NPi-300 Incorporated Barcode Scanner

Figure 1

NPi-300 Wireless Charging System

Figure 2



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NPi-300 Pupillometry System Brochure Rev A (HOMA-C4AQGB)