



Questions/Answers

1. Are the measurements complicated to take?

NO. The instrument is very user-friendly. The test takes only two minutes and it underlines your professionalism and commitment to give each patient the best lens design.

2. Are the measurements consistent with visual patterns in every day life?

YES. Although this test is done in specific conditions: a near vision task and a wide angle of gaze, the results give the intrinsic visual pattern of each wearer for all activities (reading, driving, playing golf etc).

3. Why is the measurement performed without spectacles?

The test is done without correction in order to measure the patients' natural behaviour. The perception of the stimuli without spectacles is possible for every wearer, even when they need a large correction.

4. What happens if my patient feels tired when the measurements are taken?

Even when you are tired, the ratio of head and eye movements remains the same - only the reaction speed may change. The head and eye movement pattern is a reflex behaviour and remains the same from one day to the next.

Features of the VisionPrint System™

- Dimensions: W 250 mm x T 160 mm x H 360 mm
- Weight: 2.4 kg
- LCD screen: monochrome 320 x 240 pixels
- Ultrasonic headset
- Voltage: 110 or 220 volts as required
- The instrument meets the CE standards for medical devices.





Each wearer is unique

Each of them has a specific head or eye movement pattern. With the VisionPrint System™ you can accurately measure the individual visual pattern of each potential wearer.

VisionPrint System™

The VisionPrint System™ includes :

- A main unit with LCD screen.
- An ultrasonic headset.
- Two articulated arms fitted with diodes.

Principle of the measurement

- The three diodes are placed in the centre of the unit and the tips of the arms.
- The left and right peripheral lights come on 25 times at random intervals during the test.
- Your patient should direct his/her gaze towards the light that comes on and return to the central light when hearing the sound signal.
- Head movements are recorded by an ultrasonic system that is inside the headset.
- The eye movements are calculated using the total gaze rotation (+/- 40°).



Instrument in measurement position



Ultrasonic headset

About the VisionPrint System™

- The CE medical device label guarantees the safety and reliability of the VisionPrint System.
- Compact and lightweight : the arms are articulated and the headset can be stored behind the unit.

35 cm



Instrument in storage position

How to measure the wearers' head and eye pattern

1. Checking the position of your patient.

- Sit the patients in front of the VisionPrint System™ at a distance of 40cm.
- Ask the patients to remove their spectacles.
- Check their position using the locating screen and adjust the distance between them and the device accordingly.



WE RECOMMEND USING AN ADJUSTABLE CHAIR, TO ENSURE A NATURAL AND COMFORTABLE POSITION.

2. Performing a demonstration

- Explain that you are going to carry out a demonstration so they understand what is expected from them.
- As an audible signal sounds, the central light will come on.
- When this light goes off one of the two peripheral lights will come on. Tell your patient to look at the light that is switched on.
- When the machine beeps your patient should go back to the central light.

ASK YOUR PATIENT TO ASSUME A NATURAL POSTURE AND TO LOOK AT THE LIGHTS AS THEY COME ON.

3. Taking the measurements

- The test will last for approximately two minutes.
- Stand back during the measurements but make sure your patient follows the correct procedure.

THE VISIONPRINT SYSTEM SHOULD BE INSTALLED IN A QUIET AREA OF YOUR PRACTICE.



4. Result

At the end of the test the VisionPrint System™ will give you two values :

- The head/eye ratio.
- The stability coefficient which defines the variation of the HE ratio during the measurements.

REASSURE YOUR PATIENT THAT ALL VISUAL PATTERNS CAN BE FOUND AND THAT ALL RESULTS ARE NORMAL.

Recording the results

At the end of the measurement make a note of these two values on the Varilux Ipseo order form

Example

1. The head/eye ratio (HE) (ie 0.31)

2. The stability coefficient (ST) (ie 0.07)

