The future of IOP measuring is here:

NEW ICARE® PRO

REVOLUTIONARY, EASY ROUTINE

The easy-to-use Icare® tonometers revolutionize effective, early glaucoma detection and control by making the IOP measuring routine quick, effortless, effective and patient-friendly.
FINALLY A FULLY INTEGRATED SYSTEM FOR COMPLETE IOP MONITORING

NEW Icare® ONE tonometer
NEW Icare® PRO tonometer
NEW Icare® LINK software for PC

The Icare® PRO is the ophthalmologist’s standard device for clinical IOP measuring while the Icare® ONE is prescribed to the patients for IOP monitoring at home. The uniform technology and software enable the ophthalmologist to compare the results.

Icare® LINK software to analyze measurement data, treatment efficiency and long-term progression. With LINK all the accumulated measuring history data can be examined as numerical charts or graphic presentations and even single measurements can be printed on paper.

NEW FEATURES SPECIFICALLY DEVELOPED FOR HIGH ACCURACY CLINICAL USE

- Rebound technology does not require calibration
- A built in inclination sensor allows downward measuring of supine patient
- Enhanced measuring algorithm with increased number of measurement parameters
- History data memory of thousands of measurement results
- A color display to make each reading clear and easy to perceive
- New, refined probe for more cost effective in large volumes
- Charging docking station with USB connection
- Free access to Icare® LINK software

UNIQUE TECHNOLOGY ENABLES SAFE, PAINLESS AND HYGIENIC PROCEDURE

Icare® tonometers are developed based on a rebound measuring principle, in which a very light-weight probe is used to make momentary contact with the cornea. In rebound technology, the motion parameters of the probe are recorded during the measurement. Induction based coil system is used for measuring the motion of the probe. Advanced algorithm combined with state of the art software analyzes the probe deceleration, contact time and other parameters of the probe while it touches the cornea. The deceleration and other rebound parameters of the probe change as a function of IOP. In simple terms, the higher the IOP, the faster the probe decelerates and the shorter the contact time.

The measurement is barely noticed by the patient. Anaesthesia or inconvenient air impulse is not needed at all.
ICARE FINLAND
Is the original developer of rebound technology in tonometers. Our patented technology (over 20 patents/patent applications) combined with ISO 13485 certified quality system have made us a respected player in our field of expertise. Our products are based on ISO 8612 standard of tonometer and clinical trials have been processed according to its requirements. Today the light weight, hand held, portable Icare® tonometers are approved and recommended by professionals all over the world. The group of ten thousands satisfied users keeps on growing rapidly.

THE ADVANCED ICARE® PRODUCT LINE
offers reliable, high precision, reproducible accuracy in measuring intrasocular pressure in any circumstances, in both experienced and inexperienced hands.

ICARE® PRO TONOMETER
TECHNICAL AND PERFORMANCE DATA

The device conforms to CE regulations.

Dimensions: approximately 23 cm x 6 cm x 10 cm
Power supply: rechargeable battery
Measurement range: 5 – 50 mmHg
Display range: 0 – 99 (estimate shown for results outside the measurement range)
Accuracy of display: 0.1 mmHg
Display unit: mmHg

There are no electrical connections from the tonometer to the patient.
The device has BF-type electric shock protection.

Operation environment:
Temperature: +10 °C to +35 °C
Relative humidity: 30% to 90%
Atmospheric pressure: 800 hPa – 1060 hPa

Storage environment:
Temperature: -10 °C to +55 °C
Relative humidity: 10% to 95%
Atmospheric pressure: 700 hPa – 1060 hPa

Transport environment:
Temperature: -40 °C to +70 °C
Relative humidity: 10% to 95%
Atmospheric pressure: 500 hPa – 1060 hPa

Variations of Icare® tonometers are available for several use:
- clinical use for humans
- veterinary use, e.g. pets and racehorses
- laboratory use for research