

# icare

tonometer PRO

IOP MEASURING EXCELLENCE



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.



### 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.



### 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.

## ICARE FINLAND

is the original developer of rebound technology i tonometers. Our patented technology (over 20 patents/ patent applications) combined with ISO 13485 certified quality system has 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 intraocular pressure in any circumstances, in both experienced and inexperienced hands.

Variations of Icare® tonometers are available for several use:

- human tonometry for self measuring, screening and diagnosis
- veterinary use, e.g. pets and racehorses
- laboratory use for research

## ICARE® TONOMETER TECHNICAL INFORMATION



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



CE 0044

**icare**  
FINLAND

measuring  
excellence

[www.icaretonometer.com](http://www.icaretonometer.com)