



icare

tonometer ONE

IOP MEASURING EXCELLENCE





NEW ICARE[®] ONE

REVOLUTIONARY, EASY ROUTINE

The easy-to-use Icare[®] tonometers revolutionize effective, early glaucoma detection and control by making the IOP measuring routine quick, effortless and effective.

SAFE, PAINLESS AND HYGIENIC PROCEDURE

No anesthetic or disinfection is needed with the Icare[®] tonometer. As a result, the patient flow can be kept dynamic even with massive screening programs.

Designed and recommended for

- A) Self measuring of IOP by glaucoma patients who need to monitor their intraocular pressure at home
- B) Glaucoma screening by opticians, pharmacies, communal and occupational health centers etc.

NEW FEATURES SPECIFICALLY DEVELOPED FOR EASY USE WITHOUT ASSISTANCE:

- The indicator led light displays 11 different pressure zones between 5 – 50 mmHg allowing a leeway of approx. 3 mmHg per each measurement zone
- The warning signals for high intraocular pressures are easy to interpret without complex instructions
- Two adjustable support elements and an eye cup for self measuring
- Sterilized, single-used probes guarantee microbiological safety





CE 0044

ISO 13485:2003



Although the Icare® ONE indicates only pressure zones to its user, the precise measuring results are stored in the tonometer's memory for easy access. The data includes accurate measurement, its quality and the date with the time of each individual measuring. The history of all measurements can be transferred via USB cable to a computer with our specific Icare® LINK software.

ICARE® LINK SOFTWARE FOR PC

The Icare® LINK software can be bought from Icare Finland's webstore. For patient data base purposes the software recognizes each tonometer by its individual serial number. All data can be examined as numerical charts or graphic presentations and printed on paper.



FINALLY A FULLY INTEGRATED SYSTEM FOR BETTER GLAUCOMA CARE:

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 FINLAND

is the original developer of rebound technology in tonometers. Today the light weight, hand held, portable Icare® tonometers are approved and recommended by professionals all over the world.

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:

- clinical use for humans
- veterinary use, e.g. pets and racehorses
- laboratory use for research

ICARE® TONOMETER ONE TECHNICAL AND PERFORMANCE DATA



The device conforms to CE regulations

Dimensions: approximately 11 cm x 8 cm x 3 cm
Weight: approximately 150 g
Power supply: 2xCR123 batteries
Measurement range: 5-50 mmHg
Display range: 5-50 mmHg
Accuracy (95% tolerance interval relative to manometry):
± 1.2 (< 20 mmHg)
± 2.2 (≥ 20 mmHg)

Repeatability (coefficient of variation): <8%

Accuracy of display:
display is divided into 11 ranges

5-7 mmHg
7-10 mmHg
10-14 mmHg
14-18 mmHg
18-21 mmHg
21-24 mmHg
24-27 mmHg
27-30 mmHg
30-35 mmHg
35-40 mmHg
40-50 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

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measuring
excellence

www.icaretonometer.com