

icare
ic100



10. Tonometras:
Rankose laikomas skaitmeninis kontaktinis akispūdžio matavimo prietaisas su spalvotu ekranu. Matavimo eiga ir rezultatai rodomi integruotame spalvotame ekrane. Matavimas atliekamas naudojant vienkartinius matavimo zondus, 1 vnt.

18. Integruotas spalvotas ekranas

**THE TONOMETER –
PROFESSIONALS' CHOICE**

THE TONOMETER

The new Icare® ic100 tonometer is a professional's choice. The device uses the same patented rebound technology that eye care professionals have come to trust. *Measuring with Icare® ic100 requires no drops, air or specialized skills for its use. The new ergonomic design and user interface bring IOP measuring to a new level.*

NO ANESTHESIA
NO AIR PUFF



11. Matavimas nereikalauja akies nujautrinimo

KEY FEATURES



Icare® AMS

Automatic measuring sequence: series of 6 and single mode with one button



Icare® EasyNav

Advanced navigation interface



Icare® EasyPos

Intelligent Positioning assistant for the correct alignment of the tonometer

14. Nuosekli 6 matavimų iš eilės galimybė

15. Prietaiso pasvirimo kampo indikatorius



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PROFESSIONALS' CHOICE

EASY TO USE:

- + JUST LOAD, ALIGN AND MEASURE.
- + NO DROPS, AIR OR CALIBRATION NEEDED.
- + CONSISTENT/REPEATABLE.

PATIENT'S CHOICE:

- + NO CORNEAL DISRUPTION.
- + SUITABLE FOR ANY KIND OF PATIENT.
- + NOT MADE WITH NATURAL RUBBER LATEX.



STUDY FINDINGS

“Intraocular pressure (IOP) readings obtained by an Icare tonometer in our study have shown reasonable concordance with Goldmann applanation tonometry (GAT). Overestimation of IOP measured by rebound technology as compared with GAT is directly proportional to IOP. As the I-care [sic] tonometer measured IOP with good accuracy, it may be considered as an appropriate method for clinical use in normal subjects and glaucoma patients.”

JOURNAL OF GLAUCOMA, December, 2014

“The use of Icare tonometry decreased the need of EUAs to evaluate children with glaucoma and significantly increased successful IOP measurement in clinic.”

J AAPOS, 2012

“The Icare Instrument was easy to use and was able to obtain rapid and consistent readings with minimal training. It was tolerated well by patients with no use of topical anesthetic.”

JOURNAL OF GLAUCOMA, Jan/Feb, 2008

“The Icare is easy to handle and high reliability. The data are comparable with those from the [Goldmann applanation tonometry].”

OPHTHALMOLOGE, April, 2007



20. Svoris be bateriju

12. Matavimo diapazonas

Icare ic100

TECHNICAL DATA

MODEL NAME	TA011
DIMENSIONS	24 - 29 mm (W) * 35 - 95 mm (H) * 215 mm (L)
WEIGHT	140 g (without batteries), 230 g (4 x AA batteries)
POWER SUPPLY	4 x AA non-rechargeable batteries, 1.5V alkaline LR6
MEASUREMENT RANGE	7-50 mmHg
ACCURACY	±1.2 mmHg (≤20 mmHg) and ±2.2 mmHg (>20 mmHg)
REPEATABILITY (coefficient of variation)	< 8 %
ACCURACY OF DISPLAY	1 mmHg
DISPLAY UNIT	Millimeter of mercury (mmHg)

13. Matavimų tikslumas

ICARE FINLAND - VISIONARY IN VISION

Icare Finland is the original developer and global leader in handheld tonometry. 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.

The advanced Icare® product line offers reliable, high precision, reproducible accuracy in measuring intraocular pressure in any circumstances, in both experienced and inexperienced hands. A variety of Icare® tonometers are available for several uses:

Icare® **ic100**, Icare® **TA01i**, Icare® **PRO**, Icare® **HOME**, Icare® **TONOVET**, Icare® **TONOLAB**
Made in Finland.



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ACCESSORIES

SKU	PRODUCT DESCRIPTION	WEIGHT	DIMENSIONS
104	Box of 100 probes	89 g	53 x 109 x 36 mm
7217	Probe base collar, Icare ic100	4 g	18 x 18 mm
540	Probe base	1 g	7 x 38 mm
559	Wrist strap with lock	4 g	10 x 10 x 270 mm
525	Aluminium case, Icare ic100	800 g	240 x 280 x 72 mm
7169	Battery cover & screw, Icare ic100	6 g	110 x 25 x 12 mm
623	IOP pad, Icare ic100	38 g	50 x 53 x 16 mm
543	Probe base cleaning container	3 g	20 x 56 mm
565	Silicon grip - white, Icare ic100	26 g	45 x 35 x 113 mm
548	Screw driver, Icare	15 g	16 x 90 mm
577	USB memory stick	44 g	98 x 11 x 93 mm
544	Probe base plug	1 g	19 x 11 mm

17. Komplekte matavimo zondų 1 įpakavimas

16. Specialus lagaminas prietaiso nešiojimui

19. Maitinimas 4x AA LR6 tipo baterijos

TECHNICAL INFORMATION

Type: TA011

Dimensions: 24 - 29 mm (W) * 35 - 95 mm (H) * 215 mm (L).

Weight: 140 g (without batteries), 230 g (4 x AA batteries).

Power supply: 4 x AA rechargeable batteries, 1.5V alkaline LR3.

Measurement range: 7-50 mmHg

Accuracy: ± 1.2 mmHg (≤ 20 mmHg) and ± 2.2 mmHg (> 20 mmHg).

Repeatability (coefficient of variation): $< 8\%$.

Accuracy of display: 1 mmHg.

Display unit: Millimeter mercury (mmHg).

The serial number is on the inside of the battery compartment cover.

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-1,060 hPa

Storage environment:

Temperature: -10 °C to $+55$ °C

Relative humidity: 10 % to 95 %

Atmospheric pressure: 700 hPa-1,060 hPa

Transport environment:

Temperature: -40 °C to $+70$ °C

Relative humidity: 10 % to 95 %

Atmospheric pressure: 500 hPa-1,060 hPa

Mode of operation: continuous

PERFORMANCE DATA

The performance data is obtained from a clinical study, performed according to American National Standard ANSI Z80.10-2003 and International Standard ISO 8612.2 for tonometers. The study was performed in the Department of Ophthalmology, Helsinki University Central Hospital. In the study, 158 patients were measured. The mean paired difference and standard deviation (Goldmann-Icare) were -0.4 mmHg and 3.4 mmHg. A scattergram and Bland-Altman plot of the results is shown below.

