REBOUND TONOMETER
MORE EFFECTIVE,
MORE EFFICIENT, MORE RELIABLE

Your patients will thank you for it!
TESTIMONIALS

“Icare tonometer is one of the best instruments I have purchased! It is easy to use and accurate. Our patients like it! It can be used over soft contact lenses, it works great with children, and is easy to transport. My techs love it!!!”
- Jack M. Chapman Jr., MD

“Two U.S. specialists, who recently published the Clinical Guide to Ophthalmic Drugs, now recommend the Icare tonometer to all their colleagues. Ron Melton, OD, and Randall Thomas, OD, have both replace the use of all Air-Puff tonometers with the easy Icare routine in their practice.”
- Randall Thomas, OD & Ron Melton, OD

STUDY REFERENCES

“...Studies have found high correlation between Icare tonometers and Goldmann applanation tonometry (see “Study Findings”).

EFFICIENCY EXCELLENCE

The Icare tonometer provides accurate, objective IOP readings for even the most difficult patients.

Because we’ve eliminated the need for anesthetic drops, we’ve reduced the amount of time patients have to stay in the lanes—something busy practices can no longer afford.

Because we’ve ensured the device maintains its calibration, eye care professionals can concentrate on taking readings—not on the device’s settings between eyes or between patients.

PATIENTS STAY PUT

The device is mobile—so patients don’t have to be. The Icare tonometer does not require anesthetic drops, meaning IOP can be measured when it’s convenient for the technician. Our rebound technology eliminates corneal disruption and patient discomfort. There’s no patient hesitation when the Icare tonometer is used on the second eye.

EASY-TO-USE

Load, Align, Measure—with these 3 simple steps, the hand-held Icare tonometer can be used by any Eye Care Professional.

By eliminating the need to calibrate the Icare tonometer, we also eliminated the time-consuming maintenance and increased service costs associated with calibration.

USED BY LEADING SPECIALISTS

The Icare tonometer is used by leading eye care specialists, inclusive of teaching institutions, and VA and private hospitals, among others across the globe.

REBOUND TONOMETRY:
A NEW STANDARD OF CARE

The Icare tonometer’s advanced algorithms translate into substantially better IOP measuring -- without anesthesia, without air, and without calibration.

REVOLUTIONARY TECHNOLOGY

Rebound technology—found exclusively on the Icare tonometer—uses a 26.5 mg probe to make momentary contact with the cornea. Our proprietary algorithm, coupled with state-of-the-art software evaluates probe deceleration, contact time, and other motion parameters of the probe while it touches the cornea.

Motion parameters are measured indirectly by the coil sensor system that uses about 1 micro Joule of kinetic energy. The higher a patient’s IOP, the faster the probe decelerates, translating into shorter contact time on the cornea.

Studies have found high correlation between Icare tonometers and Goldmann applanation tonometry (see “Study Findings”).

NO ANESTHESIA
NO CALIBRATION

Your patients will thank you for it!

NO ANESTHESIA
NO CALIBRATION

Your patients will thank you for it!
TECHNICAL DATA

<table>
<thead>
<tr>
<th>TA01i</th>
<th>Dimensions</th>
<th>13 - 32 mm (W) * 45 - 80 mm (H) * 230 mm (L)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Weight</td>
<td>155 g (without batteries). 250 g (4 x AA batteries)</td>
</tr>
<tr>
<td></td>
<td>Power supply</td>
<td>4 X AA batteries</td>
</tr>
<tr>
<td></td>
<td>Measurement range</td>
<td>7-50 mmHg</td>
</tr>
<tr>
<td></td>
<td>Display range</td>
<td>0-99 mmHg (IOP estimation beyond the measuring range)</td>
</tr>
<tr>
<td></td>
<td>Accuracy</td>
<td>[95% tolerance interval relative to manometry]: ±1.2 mmHg (±20 mmHg)</td>
</tr>
<tr>
<td></td>
<td>Repeatability (coefficient of variation)</td>
<td>&lt; 8 %</td>
</tr>
<tr>
<td></td>
<td>Accuracy of display</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Display unit</td>
<td>Millimeter mercury (mmHg)</td>
</tr>
</tbody>
</table>

There are no electrical connections from the tonometer to the patient.
The device has B-type electric shock protection.
Storage/transportation environment: Temperature +5 to +40 °C.
Rel. humidity 10 to 80% (without condensation).

ICARE USA
is a subsidiary of Icare Finland, the original developer of rebound technology in tonometers. Today the lightweight, handheld, portable Icare tonometers are cleared and recommended by professionals all over the world.

THE ADVANCED ICARE PRODUCT LINE
offers reliable, high precision, reproducible accuracy in measuring intraocular pressure under any circumstance, in both experienced and inexperienced hands.

ICARE TONOMETERS CAN BE USED IN NUMEROUS SETTINGS:
• In clinics, for both adult and pediatric readings
• In veterinary clinics
• In research laboratories and university settings

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ICARE FINLAND OY:
ISO 13485:2012 [inc.CDMCAS]
certified by TÜV Nord CERT GmbH

TA01i:
US FDA cleared 2007 [510(k)]
-number K063873]
Chinese CFDA cleared 2008 (2014)
Japan MHLW cleared 2004
COMPLIES WITH:
Medical Device Directive 93/42/EEC
Canadian Medical Device Regulations