



Non Contact Tono/Pachymeter

NT-1p



THE ART OF EYE CARE

Design Innovations that Incorporate Operator and Patient Comfort with Gentle Measurements

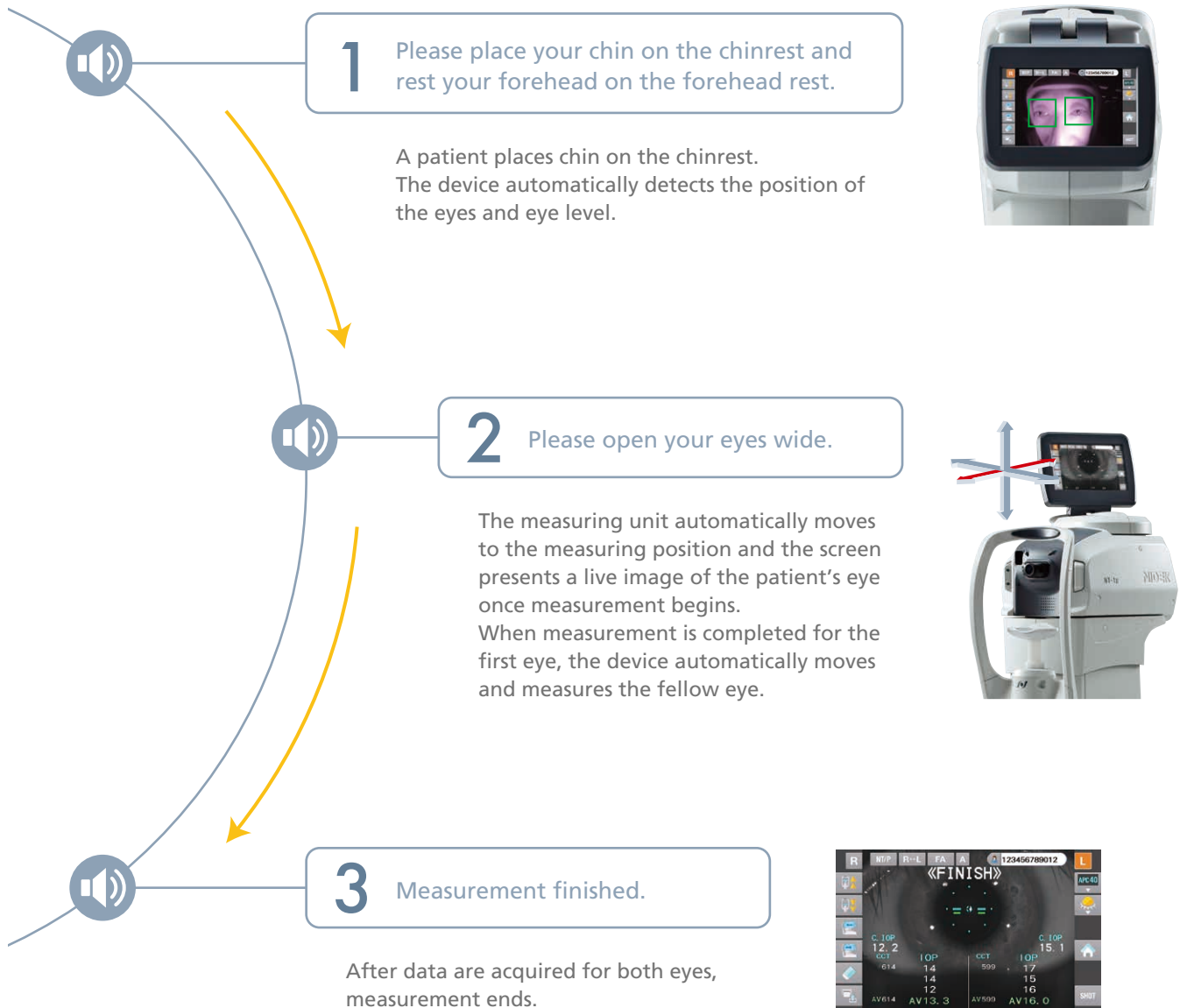


The NT-1p is an innovative device that fully automates reliable non-contact tonometry and pachymetry. A newly incorporated air-nozzle contact sensor ensures safety while performing fully-automatic measurements. In addition, new functions such as monitor tilt and swivel and tablet operation allow greater flexibility in various situations, suiting patient and clinical needs. The innovative design of the NT-1p provides unparalleled usability while ensuring patient comfort and maintaining clinic efficiency.



Fully-automatic measurement

Simply by placing the chin on the chinrest, NIDEK eye detection camera automatically detects the position of the eyes and measurement starts without pressing any button. Gentle voice guidance (available in 9 languages) facilitates smooth measurement for any operator.



Air-nozzle contact sensor

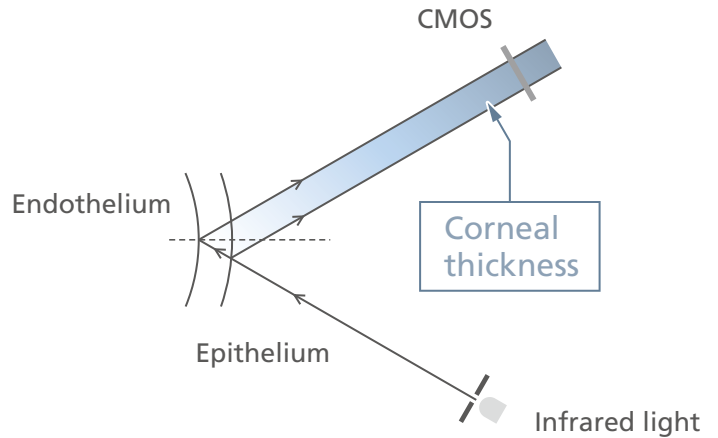
A message appears to alert the user if there is eyelid/corneal contact with the air nozzle during measurement. The measuring unit automatically backs away from the patient's eye, and the measurement stops for patient safety.



Reliable tono/pachymeter

Pachymetry

Non-contact optical pachymetry is used to measure corneal thickness.

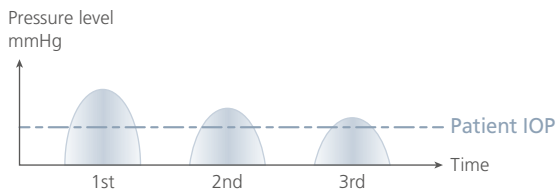


Incorporating the principle of specular reflection for pachymetry allows a more compact NT-1p design.

Patient-friendly air puff

› Automatic Puff Control (APC)

In subsequent measurements, the APC function performs the measurement with the minimum air pressure based on previous measurement data.



› Softer and quieter air puff

The mechanical design of the NT-1p reduces noise and air intensity, resulting in a gentle air puff.

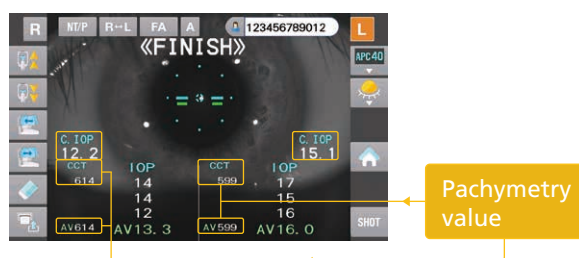
› Gentle nozzle design

A gentle nozzle design reduces patient's perception of physical pressure.



IOP correction based on central corneal thickness

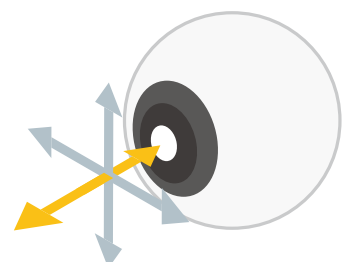
IOP values are automatically calculated by compensating for the patient's central corneal thickness.



The pachymetry data are used to calculate the corrected IOP value.

3D auto tracking and auto shot

Once alignment is completed, the measurement starts automatically. The 3D auto tracking and auto shot functions provide quick, simple, and accurate measurements.



Flexible and space-saving design

The continuous range of tilt and swivel of the screen allows the NT-1p to be placed anywhere in an examination room; installation against a wall or in a corner is now possible. The conventional face-to-face position is available, and is designed to provide excellent patient comfort. Freedom of operator mobility allows supporting the patient's eyelids during measurement, if needed. The flexible layout and space-saving design contribute to improved productivity and efficiency.



A variety of options to meet your needs

Joystick

Models are available with or without a joystick. The 4-direction button of the newly-designed joystick allows smooth movement of the measuring unit forward, backward, right, or left.



Hand-held control (wired/wireless)

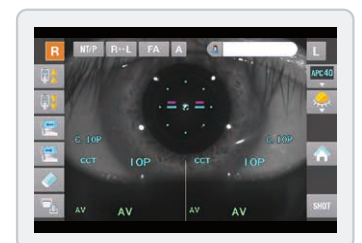
An ergonomically designed palm-fit controller offers a unique handling experience. The simple and intuitive button layout provides excellent single-handed operation. For convenience, the controller is stored in a dedicated holder that attaches to either side of the NT-1p.



Wireless hand-held control

Tablet control software

If a tablet is used as a controller, the NT-1p screen is mirrored on the tablet. Measurements can be performed from a remote location with the same accuracy and comfort.



NT-1p Specifications

Non contact tonometer	
Measurement range	1 to 60 mmHg
Measurement range setting	APC40, APC60 (APC = Automatic Puff Control), 40, 60
Working distance	11 mm
Eye fixation	Inner fixation light
Non contact pachymeter	
Measurement range	300 to 800 μ m
Light source	Infrared light
IOP correction by corneal thickness	Automatic calculation
Auto tracking	X-Y-Z directions
Auto shot	Available
Auto complete	Available
Display	7.0-inch touch color LCD with tilting and swiveling functions
Printer	Thermal line printer with easy loading and auto cutter
Interface	RS-232C: 1 port USB: 2 ports LAN: 1 port Wireless LAN (WLAN)*1: 1 ch
Power supply	100 to 240 V AC, 50/60 Hz
Power consumption	100 VA
Dimensions/mass	305 (W) x 492 (D) x 493 (H) mm / 20 kg 12.0 (W) x 19.4 (D) x 19.4 (H)" / 44 lbs.
Standard accessories	Printer paper, Chinrest paper, Dust cover, Fixing pins for chinrest paper, Ferrite core, Power code, Quick reference guide
Optional accessories	Magnetic card reader, Barcode scanner, Communication cable (RS-232C), Hand-held control (wired or wireless type), Joystick*2, Tablet control software*2, Wireless LAN*2

*1 Only applicable for models that include the wireless LAN module

Only for the countries (regions) certified by the Radio Law

*2 Only available as a factory setting that cannot be added later

Product/model name: NON CONTACT TONO/PACHYMETER NT-1p

Brochure and listed features of the device are intended for non-US practitioners.

Specifications may vary depending on circumstances in each country.

Specifications and design are subject to change without notice.

The tablet described in this brochure is not included or sold with the NT-1p.



HEAD OFFICE
(International Div.)
34-14 Maehama,
Hiroishi-cho, Gamagori,
Aichi 443-0038, JAPAN
TEL: +81-533-67-8895
URL: www.nidek.com
[Manufacturer]

TOKYO OFFICE
(International Div.)
3F Sumitomo Fudosan Hongo
Bldg., 3-22-5 Hongo, Bunkyo-ku,
Tokyo 113-0033, JAPAN
TEL: +81-3-5844-2641
URL: www.nidek.com

NIDEK INC.
2040 Corporate Court,
San Jose, CA 95131, U.S.A.
TEL: +1-408-468-6400
+1-800-223-9044
(US Only)
URL: usa.nidek.com

NIDEK S.A.
Ecoparc,
9 rue Benjamin Franklin,
94370 Sucy En Brie,
FRANCE
TEL: +33-1-49 80 97 97
URL: www.nidek.fr

NIDEK TECHNOLOGIES S.R.L.
Via dell'Artigianato,
6/A, 35020 Albignasego (Padova),
ITALY
TEL: +39 049 8629200/8626399
URL: www.nidektechnologies.it

NIDEK (SHANGHAI) CO., LTD.
Rm3205, Shanghai Multi
Media Park, No.1027 Chang
Ning Rd, Chang Ning District,
Shanghai, CHINA 200050
TEL: +86 021-5212-7942
URL: www.nidek-china.cn

NIDEK SINGAPORE PTE. LTD.
51 Changi Business Park
Central 2, #06-14,
The Signature 486066,
SINGAPORE
TEL: +65 6588 0389
URL: www.nidek.sg