

RT-3100





Sophisticated design and comfortable examination at the same time

The RT-3100 empowers you to perform operations seamlessly and accurately. The Eye Care card system, printer and quick software upgrades strongly support the examination process. In addition to these functions, connection to EMR (Electric Medical Record) and comparison between auto refractometer and lensmeter data can be performed with the single touch of a button.







Operator-oriented Control Box

■ High-performance color LCD touch screen

The color LCD touch screen can display a great deal of information, including near vision charts, and vision / refraction diagrams.

■ Easy on-off LED lamp

LED lamp for VA chart and near point chart can be easily turned on / off, by touching the icon on screen.



Jog dial with S / C / A mode key The jog dial on the control box provides smooth operation. The S / C / A mode key on the center of dial allows the operator to quickly change sphere, cylinder and axis powers



Cross cylinder test

using only one hand.

Cross cylinder test is effective for determining the astigmatism correction. Axis adjustment is accomplished with the touch of a button. Spherical power is adjusted automatically to maintain spherical equivalent.



Built-In High Speed Line Printer

The RT-3100's control box includes a built-in, high-speed printer. It automatically prints out the measured results, and the data is simply laid out so that operator can easily explain to patients. Replacing the paper is totally effortless and takes only a few seconds.



CYL	~ 0.50
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ADD	+ 1.50
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	8 0.00
SPH	- 1.75
CAL	- 0.50
ARE	6.
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AXS	186
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general	9.3
KP#	1.27
E 81-3	1100
	VA (20) PRSM SPH CTL AXX AXX AXX AXX AXX AXX AXX AXX AXX AX

Easy Software Upgrades

Quick and easy future upgrades can be performed with CompactFlash* card.

*CompactFlash is a trade mark of SanDisk Corporation.

Printout examples

Ergonomically-Designed Refractor Head

■ Comfortable Examination

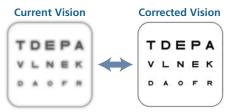
The RT-3100 has a sophisticated, ergonomic design. Furthermore, visual field of 40 degrees provides a spacially open and comfortable examination for patients.

■ Smooth, quick, silent lens selection

The control box makes it smoother, quicker, and more accurate to refine sphere, cylinder, axis, and prism lenses compared to examinations with the manual refractor.

With the press of a button, internal lenses can be changed quickly, so that the patient can actually see and compare their vision with the new correction to either unaided, or their current glasses prescription*.

*It requires data transfer from a NIDEK auto lensmeter or manual entry. Please contact us for further information.



Patient's vision can be compared instantly!

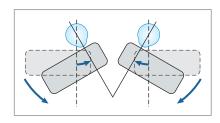


Power convergence and power PD

During near point tests, power convergence and power PD are adjusted automatically.

■ R / L independent PD adjustment for improved precision

Right and left PD can be adjusted independently for more accurate and reliable measurements, preventing axis shift.



Clear, white LED illumination

Bright and energy efficient white LED illuminates the near chart for near point examination.



■ Easy maintenance

Effortless maintenance is made possible by antifogging protective glasses, and detachable forehead rest / face shields.

High quality near point card

Washable, plastic near point card is attached to the RT-3100's main body.





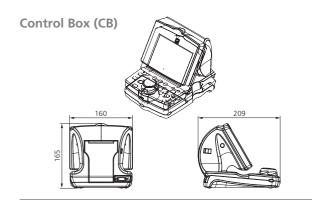
Working Distance: 40 cm (16-inch)

Quick and Easy Wireless Data Transfer NIDEK System Chart The NIDEK refraction products allow for quick and easy wireless data transfer* using Eye Care Card, Bluetooth, WLAN or infrared communication. This is helpful for eliminating paper printout and complicated wired connections. *The specifications for wireless data transfer differ according to each product and from country to country. The requirements differ depending on the method of wireless data transfer. **NIDEK NIDEK** Auto Ref / Keratometer Auto Lensmeter

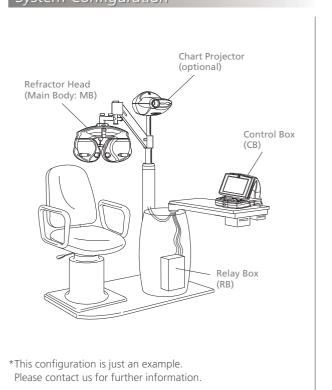
Dimensions (mm)

Refractor Head (Main Body: MB)

This configuration is just an example.



System Configuration



RT-3100 Specifications

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nal wrench

All LCD images are simulated.

Product / Model name: Refractor RT-3100

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



HEAD OFFICE (International Div.) 34-14 Maehama, Hiroishi Gamagori, Aichi 443-0038,

JAPAN TEL: +81-533-67-8895 URL: http://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: http://www.nidek.com

NIDEK INC.

47651 Westinghouse Drive, Fremont, CA 94539, U.S.A. TEL: +1-510-226-5700 +1-800-223-9044 (US only) URL: http://usa.nidek.com

NIDEK S.A. Europarc,

13 rue Auguste Perret, 94042 Créteil, FRANCE TEL: +33-1-49 80 97 97 URL: http://www.nidek.fr NIDEK TECHNOLOGIES S.R.L. NIDEK (SHANGHAI) CO., LTD. NIDEK SINGAPORE PTE. LTD. Via dell'Artigianato,

6/A, 35020 Albignasego (Padova),

TEL: +39 049 8629200 / 8626399 URL: http://www.nidektechnologies.it

#915, China Venturetech Plaza, 819 Nanjing West Rd, Jing An District, Shanghai 200041,

CHINA TEL: +86 021-5212-7942 URL: http://www.nidek-china.cn 51 Changi Business Park

Central 2, #06-14, The Signature 486066, SINGAPORE TEL: +65 6588 0389

