

Anexa 9 Auto Ref-Keratometru, Model: RC-900, Tomey/Potec

Nr. de inregistrare AMDM: DM000663239

Specificarea tehnică deplină solicitată, Standarde de referință	Specificarea tehnică deplină oferită, Standarde de referință
1. MĂSURAREA PUTERII REFRACTIVE 1.1 PUTEREA REFRACTIVĂ SFERICĂ: Raza de masurare 25.00 D până la +22.00 D (la VD=12.0 mm) Incrimentarea minim 0.12 D și 0.25 D Diametrul minim al pupilei Ø 2.2 mm ±0.2mm 1.2 PUTEREA REFRACTIVĂ CILINDRICĂ Raza de masurare -10.00 to +10.00D (la VD=12.0 mm) Incrimentarea minim 0.12 D și 0.25 D 1.3 ASTIGMATISM AXIAL: Raza de masurare 0°-180° Incrimentarea 1° 2. MĂSURAREA RAZA DE CURBURATĂ CORNEANE 2.1. RAZA DE CURBURATĂ CORNEENĂ Raza de masurare minim 5- 10 mm Incrimentarea 0.01 mm 2.2. ASTIGMATISM ȘI AXE CORNEAN Domeniul de măsurare 0-10 D Domeniul de măsurare 0°-180° Zona de măsurare a corneei Ø 3.0 mm / Ø 6.0 mm (la curbura corneei de 8,00 mm) 3. FUNCȚIE AUXILIARĂ Gama de distanție pupilară minim 50 până la 85 mm 4. UNITATEA PRINCIPALA Imprimantă încorporată Imprimantă termică Ieșire RS-232C Display LCD color de min 5,7 inch 5. DIMENSIUNI ȘI CERINȚE ELECTRICE Voltaj 100 VAC to 240 VAC, 50/60 Hz	1. MĂSURAREA PUTERII REFRACTIVE 1.1 PUTEREA REFRACTIVĂ SFERICĂ: Raza de masurare -30.00 D până la +25.00 D (la VD=12.0 mm) - broșura pag.1 Incrimentarea minim 0.12 D și 0.25 D- broșura pag.1 Diametrul minim al pupilei Ø 2.0 mm - broșura pag.1 1.2 PUTEREA REFRACTIVĂ CILINDRICĂ Raza de masurare -10.00 to +10.00D (la VD=12.0 mm)- broșura pag.1 Incrimentarea minim 0.12 D și 0.25 D- broșura pag.1 1.3 ASTIGMATISM AXIAL: Raza de masurare 0°-180° - broșura pag.1 Incrimentarea 1° - broșura pag.1 2. MĂSURAREA RAZA DE CURBURATĂ CORNEANE 2.1. RAZA DE CURBURATĂ CORNEENĂ Raza de masurare minim 5- 13 mm - broșura pag.1 Incrimentarea 0.01 mm - broșura pag.1 2.2. ASTIGMATISM ȘI AXE CORNEAN Domeniul de măsurare 0-15 D - broșura pag.1 Domeniul de măsurare 0°-180° - broșura pag.1 Zona de măsurare a corneei zona centrală Ø 3.2 mm / zona periferică Ø 7.5 mm (la curbura corneei de 7.95 mm)- srisoare de confirmare producator 3. FUNCȚIE AUXILIARĂ Gama de distanție pupilară minim 10 până la 88 mm - broșura pag.1 4. UNITATEA PRINCIPALA Imprimantă încorporată Imprimantă termică - broșura pag.1 Ieșire RS-232C, WiFi, USB, VGA - broșura pag.1 Display LCD color de 7 inch, cu posibilitatea de a fi inclinat- broșura pag.1 5. DIMENSIUNI ȘI CERINȚE ELECTRICE Voltaj 100 VAC to 240 VAC, 50/60 Hz - broșura pag.1

Specifications



SPHERICAL REFRACTIVE POWER (S)

Measurement range	-30.00 D to +25.00 D
Display unit	0.12 D / 0.25 D

CYLINDRICAL REFRACTIVE POWER (C)

Measurement range	0.00 D to ±10.00 D
Display unit	0.12 D / 0.25 D

ASTIGMATISM AXIAL (A)

Measurement range	0° to 180°
Display unit	1°

CORNEAL CURVATURE MEASUREMENT (K1, K2, AVG)

Measurement range	5.00 mm to 13.00 mm
Display unit	0.01 mm

CORNEAL ASTIGMATISM AND AXIS (C, A)

Measurement range (C)	0.00 D to -15.0 D
Measurement range (A)	0° to 180°
Measurement area cornea	Central & peripheral
PD range	10 mm to 88 mm
Minimum pupil diameter	2.0 mm
Vertex distance	0.0, 12.0, 13.5, 15.0 mm

AUXILIARY FUNCTION

Retroillumination	Available
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MAIN UNIT

Alignment	Semi auto
Built-in printer	Thermal printer
Output	WiFi, RS 232 C, USB, VGA
Display	7" TFT-LCD tilting/swivel

DIMENSIONS AND ELECTRICAL REQUIREMENTS

Dimensions WDH	260 x 500 x 450 mm
Weight	approx. 20 kg
Voltage	100 VAC to 240 VAC
Frequency	50/60 Hz
Power consumption	40 VA to 60 VA

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2023/08 – subject to change without notice



RC-900
+ Auto Ref-
Keratometer

Always read and follow the instructions for use.
Not all products, services, or offers are approved or offered in every market. Please note that the current status
of approval for the labeling, instructions and contents of the brochure may vary from one country to another.

You + eye.
We care.

RC-900 Auto Ref- Keratometer

The RC-900 delivers rapid and reliable results. In addition to refraction and keratometry, the RC-900 includes other features like Retroillumination to complement your daily refraction routine.



"THE RC-900 PERFECTLY COMPLEMENTS OUR AUTO REF-KERATO SERIES. IT IS RELIABLE AND OFFERS TRUE ADDED VALUE."

Tony Günther

AREA SALES MANAGER,
EASTERN EUROPE/EUROPE



Near vision simulation

By simulating short distances, the RC-900 allows you to assess the patient's need for progressive lenses and to compare vision with and without addition power lenses.



Extensive measuring range

You can examine almost every eye with peripheral Keratometry and the large dioptric measuring range for refraction.



Retroillumination

The retroillumination mode is a fantastic tool for visualising opacities in the crystalline lens or for detecting flaws on contact lenses.



Convenient operation

The semi-automatic pupil tracking ensures quick adjustment to the ideal measurement height. Thanks to automatic measurement initiation and the user-oriented, tiltable LCD screen, the examination procedure is fast and efficient.



Connectivity

The results of the refraction measurement can be easily exported to TAP-2000 via WiFi or serial connection. The RC-900's display can be mirrored to a 5:3 screen using the VGA video out. Thanks to these connectivity options, you are optimally supported in your daily workflow and can provide an informative experience for your patients.



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To whom it may concern,

This letter serves as an official confirmation from Potec Co., Ltd, the manufacturer of the RC-900 Auto Refractometer/Keratometer, regarding the specifications requested.

1. Corneal Astigmatism Information

The corneal astigmatism specifications of the RC-900 are documented in the RC-900 User Manual under : "8.2 Specification – Keratometry / Corneal Astigmatism."

2. Peripheral Radius of Curvature Information

Information related to the peripheral curvature radius is provided in the RC-900 User Manual under : "5.5 Peripheral Keratometry [K(P) Mode]."

3. Corneal Measurement Area Diameter

The following values reflect the internal design specifications of the RC-900,

- Central zone(3.2mm)
- Peripheral zone(7.5mm)
- Corneal curvature radius of 7.95mm

These values are part of the device's internal optical design parameters.

We hereby confirm that the information above is accurate to the best of our knowledge as the manufacturer of the RC-900.

POTEC CO., LTD

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