The Canon RK-F2 Full Auto Ref-Keratometer Provides Full Auto, Auto and Manual Modes to Help Make Your Job More Efficient. And Your Patient Comfortable.

Program the RK-F2 Ref-Keratometer to automatically measure both eyes, one at a time or manually — storing up to 10 Refractometry and Keratometry measurements for each eye.

The RK-F2 Ref-Keratometer is shown with an instrument table, which is sold separately.

RK-F2 Specifications

GENERAL

Type	Full Auto Ref-Keratometer
Alignment Mode	Full Auto/Auto/Manual
Auto Function	3D Auto Alignment, Auto Focus and Auto Shooting
Fixation Target	Internal Fixation/ Automatic Fogging System
Corneal Pupil Diameter	2 to 16 mm
Retro-Illumination	2 Images May be Stored in Memory
Data Memory	Maximum 10 Measurements of REF and KER for Each Eye
Interface	RS-232C, USB Host, LAN
Display	Tilting 5.7 inch VGA Color TFT LCD Screen
Operating Range	Front/Back: 40 mm
	Left/Right: 90 mm
	Up/Down: 30 mm
Built-In Printer	Thermal Line Printer With Easy Loading and Auto Cutter
Chin Rest	Up/Down: 60 mm (Electrical)
Joystick	Single-Axis (Electrical)

REFRACTOMETRY

Sphere (SPH)	-30 to +22 D (When Vertex distance of 12 mm)
Cylinder (CYL)	0 to ±10D (Increments: 0.12D and 0.25D)
Axis (AX)	1° to 180° (Increments: 1 mm)
Pupil Distance (PD)	30 to 88 mm
Minimum Pupil Size	2.0 mm

KERATOMETRY

Radius of Curvature	5 to 10 mm (Increments: 0.01 mm)
Corneal Power	33.75 to 67.5D
	(When Cornea Equivalent Refractive Index is 1.3375)
Axis	1° to 180° (Increments: 1 mm)
Corneal Periphery	Measurement area: 30° (When Radius of Curvature is 8 mm)
Corneal Diameter	2 to 14 mm

ELECTRICAL AND ENVIRONMENTAL

Power Saving System	Available
Power Supply	100-240V 50/60Hz

PHYSICAL CHARACTERISTICS

Dimensions (W x L x H)	Approximately 10.2 x 19.3 x 18.5 inches (260 x 490 x 470 mm)
Weight	Approximately 33 pounds (15 kg)

Specifications are subject to change without notice.

COMPONENTS

Main Unit
Keratometry Model Eye
(With Contact Lens Holder)
Chin Rest Paper (100 sheets)
Printing Paper (2 rolls)
Power Cable
Dust Cover

OPTIONAL ACCESSORIES

Chin Rest Paper
Printing Paper

EB-022 Rev. B

RK-F2
Full Auto Ref-Keratometer

One Touch Alignment, Focus & Capture

The Canon RK-F2 Full Auto Ref-Keratometer helps accelerate the exam process by automatically aligning and acquiring a reading for one eye and continuing to the opposite eye to perform the same function – all with one touch of a button. Its lightweight, compact footprint coupled with an omni-directional joystick, 5.7 inch LCD monitor, USB host and built-in printer with auto cutter make the RK-F2 Full Auto-Ref Keratometer an ideal complement to your ophthalmic suite.
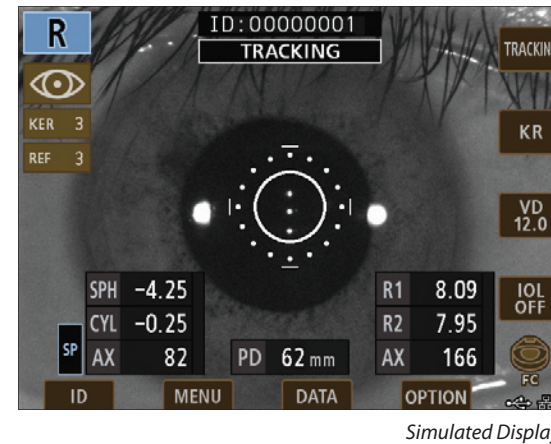
RK-F2
Full Auto Ref-Keratometer

Key Features

Small Pupil Size

At 2.0 mm, the small pupil mode helps contribute to an efficient screening and is useful when a patient's pupils are difficult to dilate. The short reaching distance between the patient and operator allows closer personal interaction and easy access to the patient's eyes.

Simulated Display

Retro-Illumination

Using infrared retro-illumination, the RK-F2 Ref-Keratometer provides a detailed view of the eye which is helpful for identifying cataracts, vitreous opacity, scars, and other serious eye problems.

Corneal Periphery Measurement

The peripheral keratometry mode provides accurate measurements for examining oblique astigmatisms and helps determine the best fit for a contact lens. The RK-F2 Ref-Keratometer can be used to make a series of measurements at a 30 degree angle from the eye's center along the attentive meridians.

Table sold separately.

Wide Measurement Range

The dioptric measurement range of -30D to +22D allows examination of strong myopia or hyperopia. The astigmatic measurement range extends from 0 to 10D. The radius of curvature extends from 5 to 10 mm (33.75D to 67.5D) for keratometry.

Compact and Lightweight

The RK-F2 Ref-Keratometer is compact and designed to be operated either sitting or standing, whichever is more comfortable for the operator. Weighing a little more than 33 pounds, the lightweight RK-F2 Ref-Keratometer maximizes small work areas and comfortably fits on a Canon instrument table (sold separately) with a Canon Full Auto Tonometer or Canon Non-Mydriatic Retinal Camera (both sold separately). Keeping the Canon machines next to one another can help expedite the exam process.

Multi-Functional Color LCD Monitor

The 5.7 inch color LCD monitor tilts 40° making the RK-F2 Ref-Keratometer easy to use if the operator is sitting or standing. The clear LCD display also includes multi-functional screen buttons allowing the operator to switch menus as needed.

Simulated Display

Built-In Printer

The front-loaded, high speed built-in printer includes an auto cutter making it simple to remove the print-out. The ECO setting reduces the printing density and thereby conserves the paper necessary for printing by up to 50% as compared to printing without using the ECO setting.

Motorized Omni-Directional Joystick

Aligning the patient's eye is easy using the motorized omni-directional joystick with a fine focus dial. All positioning may be performed with one hand allowing the other hand to work with the patient, if needed. The top of the joystick button has the start button which can immediately be pressed once the patient is properly positioned.