

Canon

# *RK-F3m*

Full Auto Ref-Keratometer



# With Large Touch Panel LCD

One-touch operation for automatic measurement of both eyes



## Smooth Operation with Large LCD Monitor

A 10.4-inch touch panel color LCD provides easy viewing of alignment and measurement results, making measurements a breeze.

### Measurements by simply tapping the screen

Easy operation—simply tap the screen with the pupil shown.

Measure	Last name	ID	No.00000	
Right	First name		Auto	IOL
				Left

### Finish

Right		Left	
REF	3	REF	3
S	-7.00	S	-5.75
C	-0.25	C	-1.25
A	120	A	10
KRT	3	KRT	3
R1	8.17	R1	8.20
R2	7.93	R2	7.98
AX	170	AX	15
PS:M	7.1	PS:M	7.3

NPD(50)61 PD 64 VD 12

Clear	3D A	FL/CL	R/K	Setup	Print/Export
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## Flexible Examination Layout to Suit Installation Area

The RK-F3m's large 10.4-inch touch panel tilts in each direction, and all operations are controlled from the screen. It can be installed almost anywhere, allowing simple operation while also assisting the patient.



## Diverse Measurement Modes

### Detects minor changes in refractive power

REF step increments now include 0.01 D in addition to 0.25 D and 0.12 D, allowing even more detailed verification of the patient's eye refractive power.

### Accommodation measurement modes

Simply tap the screen to automatically measure the accommodation.

### Displays spherical equivalent

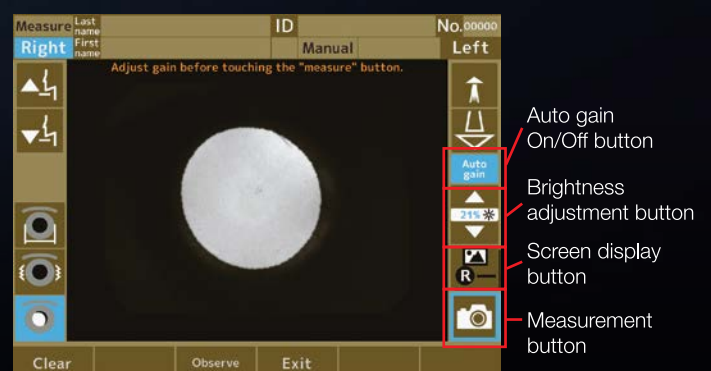
The spherical equivalent is the merged spherical and cylindrical components of refractive error, with the value indicating the level of nearsightedness or farsightedness. Calculating this value gives a more detailed indication of the eyesight level of the patient.

### Retroillumination mode with auto gain

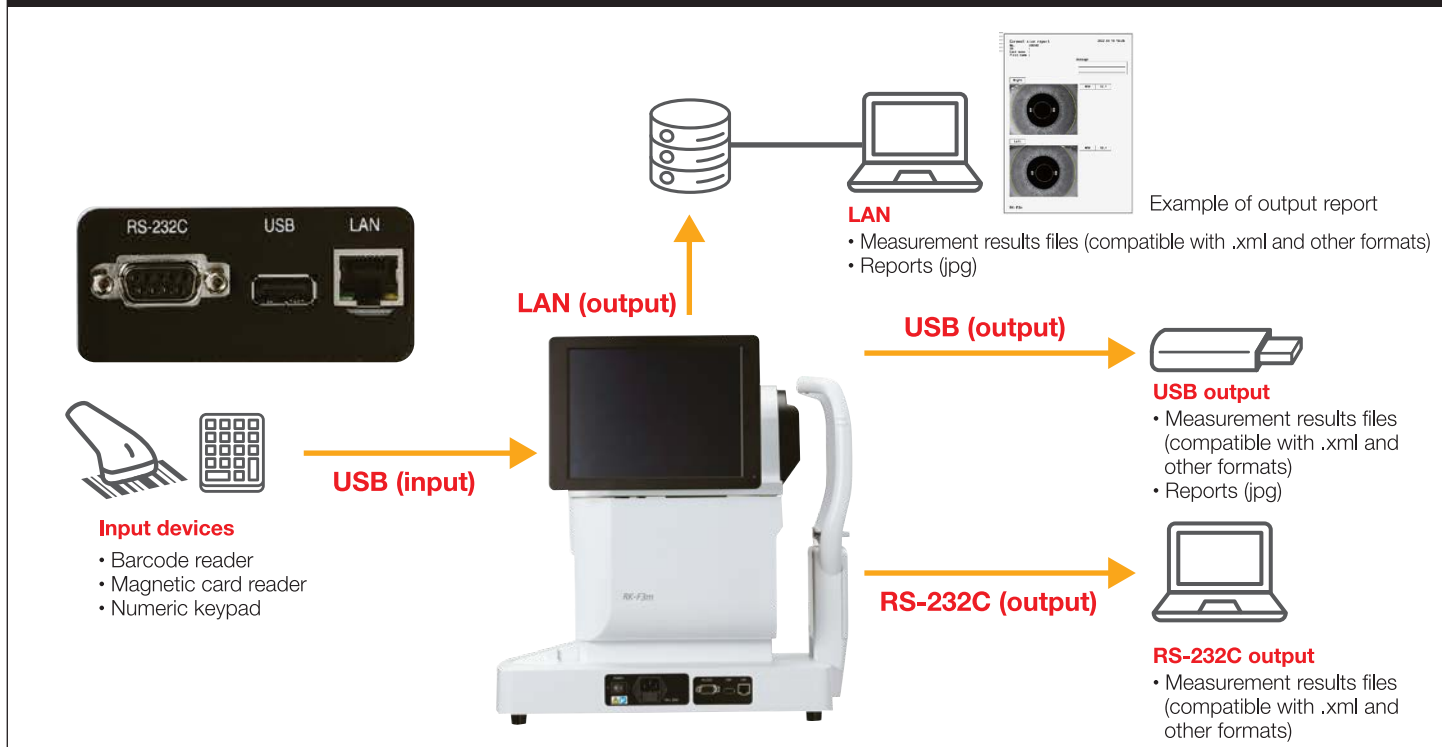
In addition to the same observation brightness adjustment available with the RK-F2, the RK-F3m now features retroillumination with an auto gain function. This automatically adjusts the brightness to the appropriate level for observations.

### Wide range of available VD values

Two VDs were available with the previous model, 12 mm and 13.5 mm, and 10 mm and 15 mm have now been added. This provides a greater VD range that can be selected to suit patients whose eyes are close to the lenses of their glasses, or those with deep set eyes and a longer distance to their glass lenses.



## Enhanced communication linkage - RS-232C as well as LAN and USB -



## RK-F3m Specifications

Refractive measurement range	Sphere (SPH)	-30 to +22 D (VD: 12 mm) (step: 0.01/0.12/0.25 D)
	Cylinder (CYL)	0 to ±10 D (VD: 12 mm) (step: 0.01/0.12/0.25 D)
	Axis angle (AX)	0° to 180° (unit: 1° / 5°)
	Corneal vertex distance	0 mm/10 mm/12 mm/13.5 mm/15 mm
	Minimum pupil diameter	Φ2.0 mm
Corneal measurement	Corneal curvature radius	5 to 10 mm (step: 0.01 mm)
	Corneal refractivity	33.75 to 67.50 D (step: 0.12/0.25 D)
	Degree of corneal astigmatism	0 to ±10 D (step: 0.12/0.25 D)
	Astigmatism axis angle	0° to 180° (step: 1° / 5°)
PD measurement		0 to 85 mm (step: 1 mm)
Pupil diameter measurement		2 to 8.5 mm (step: 0.1 mm)
Corneal diameter measurement		2 to 14 mm (step: 0.1 mm)
Accommodation measurement		Available
Retroillumination function		Retroillumination images can be observed and stored in memory (with AE function)

Printer	The thermal line printer with auto cutter
Data output	LAN/USB2.0/RS-232C (D-Sub 9-pin female)
Data input	USB2.0
Monitor	Swiveling and tilting 10.4-inch touch panel XGA color LCD
Power saving mode	Available
Power supply	100-240 V 50/60 Hz
Power rating	90 VA
Shifting range	Front/back: ±16 mm, Left/right: ±43 mm, Up/down: ±20 mm
Dimensions	W277 × L431 × H482 mm
Weight (main unit)	23 kg

## Main Components

RK-F3m main unit
Model eye
Printing paper
Chin rest paper (1000 sheets)
Dust cover

**Canon**

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General Safety Information

- Make sure you read the manual before using the instrument.
- Use the correct power source and voltage shown.
- Make sure the instrument is properly connected to ground. Failure to do so may result in an electric shock if there is a malfunction or ground leakage.

