

*Auto Optester*  
**Remote Vision**



*Remote Vision*



**Total Refraction by Remote Control.**

- Wireless data transfer from bon auto refractor Speedy.
- All information directly shown on the phoropter.
- Operating all functions of chart projector AND vision tester with ONE wireless remote control.



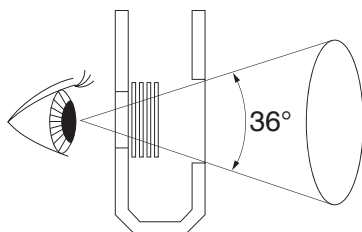
△ Jog dial remote controller



△ Large LED-Display



△ Wireless data transmission



△ wide field of view

### All Operations Are Remote Controlled

With its wider coverage area the remote control system gives operators greater flexibility in the examination room. Now you can easily check patient position and point to the chart during examination.

### Easy-to-Use Remote Controller with Jog Dial

Data can be shifted with a jog dial for faster examinations - only 7 seconds to shift from 0D to 10D.

### Quick, manual Cross Cylinder and Auto Cross Cylinder

Conventional cross cylinder tests can be accomplished faster than ever before. During auto cross cylinder tests, the center LED window indicates in which direction the dial should be turned.

### Easy to read

The LED display directly on the phoropter head are respectably large and easy to read. All lens data are clearly visible for instant recognition. Also information about currently used auxiliary lenses are displayed. You do not have to turn away your sight from the patient while refracting.

### Wireless Direct Data Transfer

Simply aim the bon autorefractor Retinomax toward the RemoteVision, press the Print Key, and data is transferred wirelessly to the main unit. The RemoteVision printer can be used independently with the Retinomax. In situations where the RemoteVision is located in a closed room, an additional data receiver is available as an option to extend the wire connection to wherever the Retinomax is being used.

### Extra wide viewing angle

The extra thin viewing windows give a 36 degree field of view, allowing patients to see charts clearly without accomodation.

### In combination with the bon Chart Projector

CP-33 ID, the remote controller lets you change charts by simply pressing the CHART key. To switch between Chart and Optester tests, also press the CHART key.



◀ RemoteVision keys

Keys for bon CP-33 ID ▶



▽ Print Sample

'00.01.01 10:20-10:25AM

Name

[VAN]  
R 0.3 L 0.4 R&L 0.4

[FAR1] PD R32.0 L32.5  
SPH CYL AX VA  
R - 2.25 - 0.50 180 1.2  
L - 1.75 - 0.50 175 1.2  
R&L 1.5  
ADD PX PY  
R + 2.00 1.081 0.5BU  
L + 2.00 1.081 0.5BD

[FAR2] PD R32.0 L32.5  
SPH CYL AX VA  
R - 2.25 - 0.50 180 1.2  
L - 1.75 - 0.50 175 1.2  
R&L 1.5  
ADD PX PY  
R + 2.00  
L + 2.00

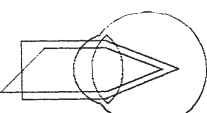
[NEAR1] PD R32.0 L32.5  
SPH CYL AX VA  
R - 0.25 - 0.50 180  
L + 0.25 - 0.50 175

[REF]No. 003 PD 64.0  
SPH CYL AX  
R - 2.25 - 0.50 170  
L - 1.50 - 0.50 180

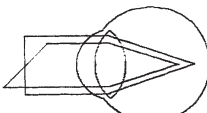
[LM] PD 64.0  
SPH CYL AX VA  
R - 2.00 0.00 180 1.0  
L - 2.00 0.00 175 0.8  
R&L 1.0  
ADD PX PY  
R + 1.50  
L + 1.50

[FAR1 eye print]

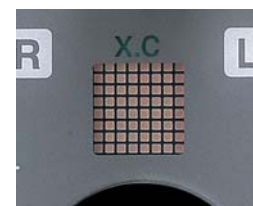
[R] SPH CYL AX  
- 2.25 - 0.50 180



[L] SPH CYL AX  
- 1.75 - 0.50 175



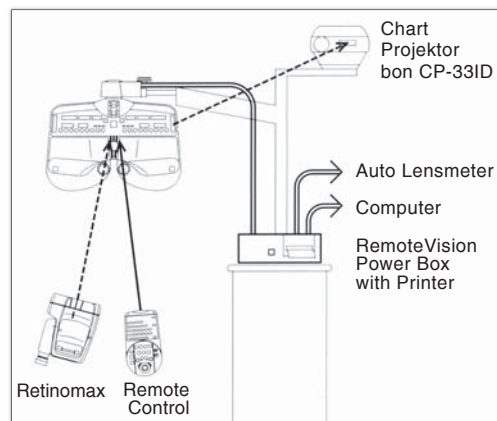
	or				Retinoscopy		
	or		P1		P2	Polarized filter	
	or		6u		10l	10l	Prism
	or		MH		MV		Maddox
	or		Red		Green		Filter
							Pinhole
							Cross cylinder
							Manual X.C.
							Auto X.C.
							Extra X.C.
							Right / left PD
	Input from Retinomax			Output to PC			Data In / Out
	Input failed			Output failed			Data failed



△ **Easy-to-See Auxiliary Lens Indications**

Auxiliary lenses are indicated by an LED display. Additionally the LED on the lens mark also lights up.

**Networking** ▷ RemoteVision can be connected to your practice computer system, including your PC, chart projector, auto-lensmeter and auto-refractor. Up to four RemoteVision units can be installed without signal interference from the remote controller. A single RemoteVision can store eight data entries selected from an auto refractometer or Retinomax. Data can also be compared.



△ Lights on both sides help checking patient's eye for VD and PD adjustment.



△ Detachable Sanitary Cheek Plate



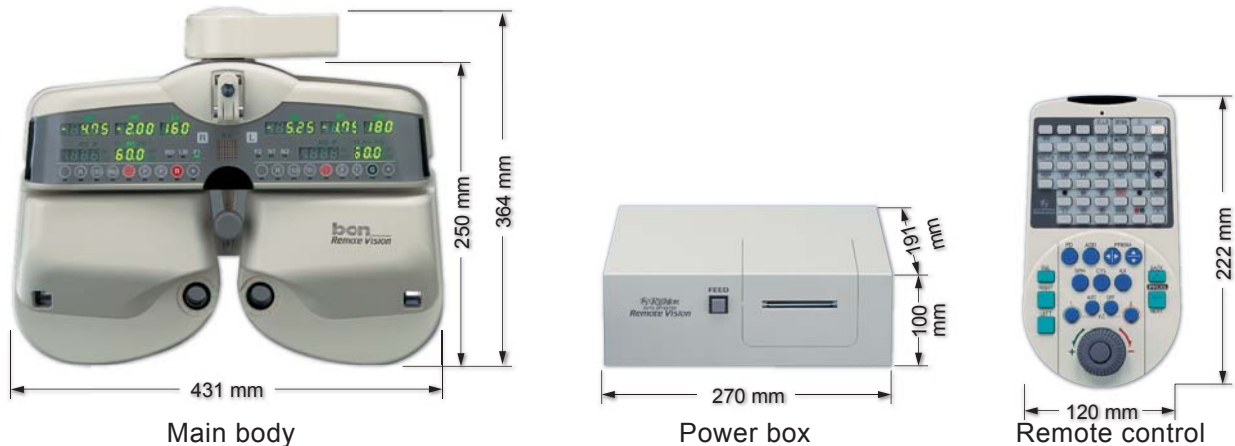
△ Power box with **integral printer**



△ Standard near Point Chart

## Auto Optester RemoteVision

### Dimensions



### Specifications

#### ● Measuring Head

##### Measuring range

Spherical Power	- 29.00 D to + 26.75 D in 0.25 D steps (0,125 / 0,25 / 1 D selectable)
Cylindrical Power	- 7 D to + 7 D in 0.25 D / 1 D steps (selectable)
Cylindrical Axes	0° to 180° in 1° / 5° / 45° steps (selectable)
Prism	0Δ to 20Δ in 0.25 / 0.5 / 1Δ steps (selectable)

##### Cross cylinder

auto crosscylinder: +/- 0.25 D, crosscylinder: +/- 0.25 D / +/- 0.50 D

##### Auxiliary lenses

###### both eyes

open aperture, occluder, + 1.50 or + 2.00 for retinoscope, +/- 0.50 cross cylinder lens, PD cross hairline, Pinhole diameter 1.2 mm

###### left eye

Vertical maddox, Polarizing filter, 135° transmission from examiner side, 45° transmission, 10Δ (base-in), Green filter

###### right eye

Horizontal maddox, Polarizing filter, 45° transmission from examiner side, 135° transmission, 6Δ (base-up), Red filter

##### Effective field of view

36°

##### PD adjustment

50 mm to 80 mm in 0.1 / 0,5 / 1 mm steps (selectable)

##### Vertex distance

12 mm or 13.75 mm

##### Convergenz

Tuning toward 400 mm ahead

##### Weight

7.75 kg

#### ● Remote Control

##### Signal transmission

2 LEDs

##### Power Source

1.5V AA batteries x 3 pcs., Battery service life ca. 6 months (typical), 4 months with alkaline batteries (based on 1,500 key strokes per day)

##### Data memory

3 examination programs, Auto refractometer, Auto lensmeter, Far 1, Far 2, Near 1, Near 2

##### Visual acuity input

20/20, 1.0 or 6/6 je corresponding to chart

##### Prism indication

Changeable (base display / r0 display)

#### ● Power Supply

##### Power consumption

0.7A (230 V) / 1.5 A (100/120 V)

##### Interface

RS-232C interface 2x

##### Printer

Integral thermal line dot printer