RODENSTOCK Instruments

TopaScope®

NON-CONTACT TONOMETER WITH PACHYMETRY

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Agenda

1. Product features
2. Operation and control
3. 3D auto-tracking and auto-measurement
4. IOP measurement
5. Pachymetry
6. Data handling
7. What are your benefits

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Product features

- Fully automatic
- Non-contact IOP measurement
- Non-contact CCT measurement
- User-friendly 10.1” touch interface
- Database
- Built in printer

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Operation and controls

- All controls are performed through the large 10.1” LCD touch screen
- 3rd party wireless keyboard and mouse may be connected by USB-Port
- Very structured and intuitive user interface
- WIN10 platform

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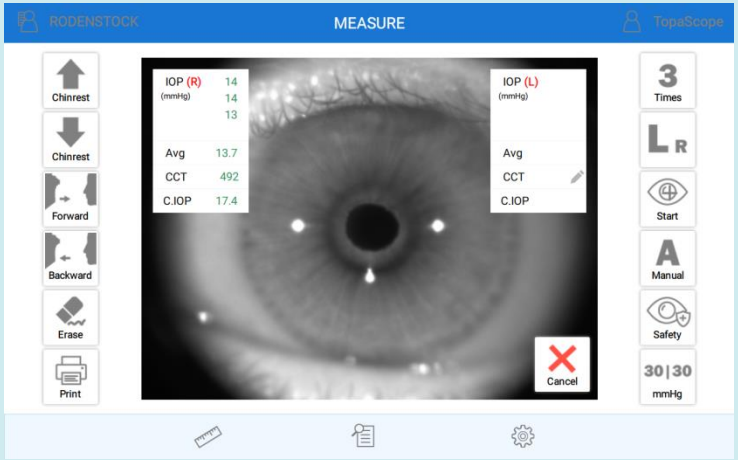
3D auto-tracking and auto-measurement



Full auto turned on

- Measurement is obtained fully automated for both eyes

Full auto turned off

- Measurement is obtained fully automated for one eye

Manual Mode

- Air puff is triggered by a tap on the center of pupil
- Z-Axis auto alignment only

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IOP measurement

Non-contact measurement with two modes:

Normal mode

Normal air puff intensity

Recommended for

- Every day use
- If only 1x IOP measurement is applied

IOP measurement

Non-contact measurement with two modes:

Soft mode

Air puff with less intensity.

Please note

The measurement for the first shot may be unstable for patients with high IOP.

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Pachymetry

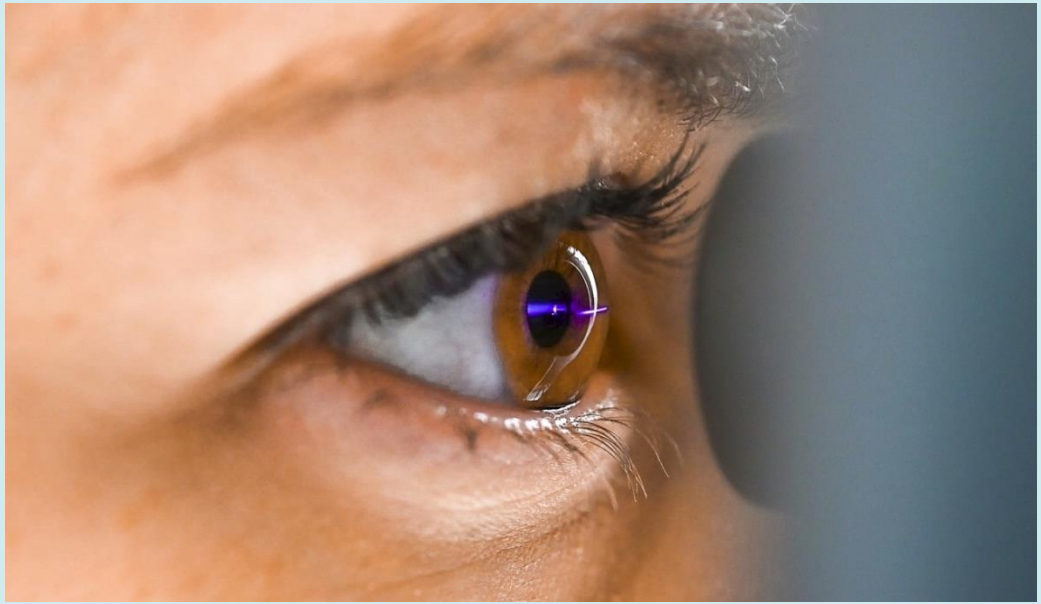
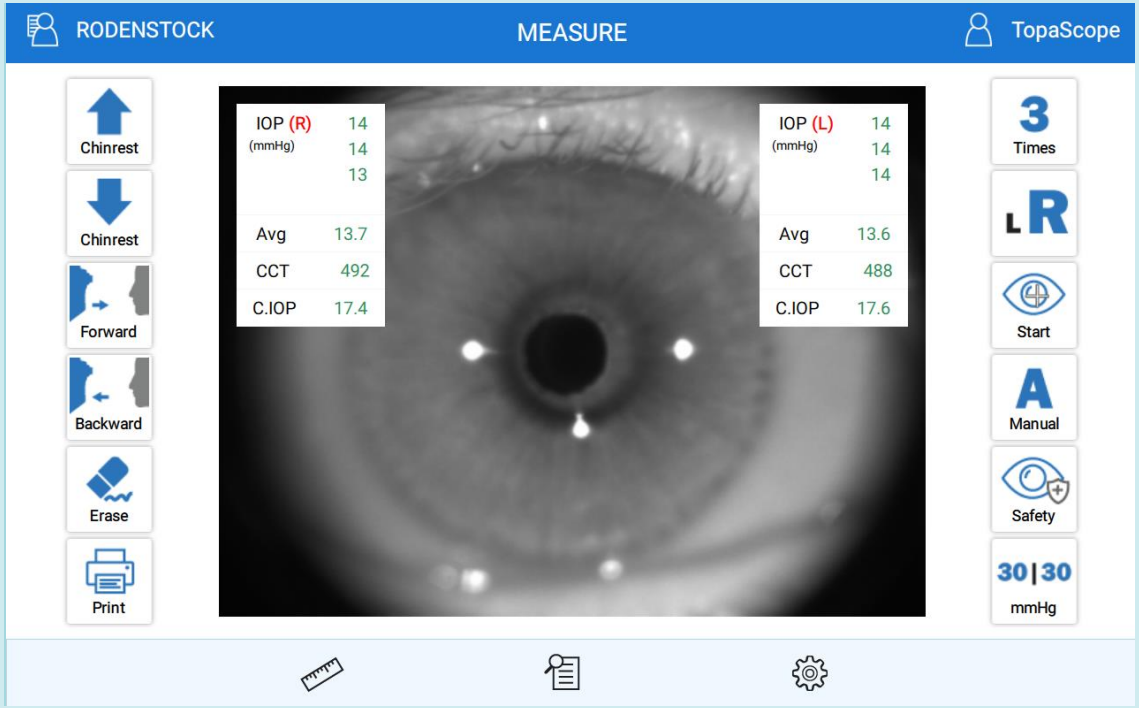


Image of Scheimpflug slit on cornea

AUTO CCT measurement

- Technology of Scheimpflug camera
- Automatic measurement of central corneal thickness
- Intended to compensate the IOP
- Range of 400µm to 800µm

Pachymetry

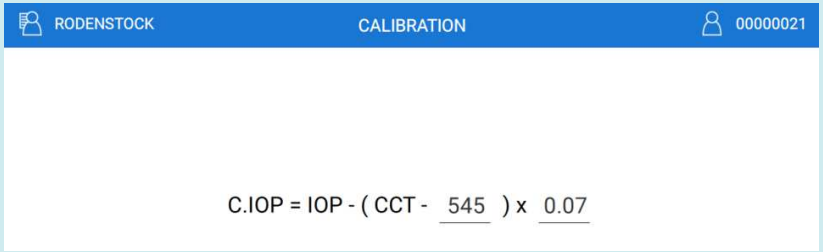


Why taking the CCT?

- Thinner corneas will result in lower readings – under-estimation of IOP
- Thicker corneas will result in higher readings – over-estimation of IOP

Pachymetry

Compensated IOP



A formula is already inserted from factory

It´s possible if not even recommended to put in an individual choice of formula

Ehlers, et al

Study	Mean CCT	Correction value per 10µm difference to mean CCT	
			Data entry
Stodtmeister	575 µm	0.725 mmHg	0.0725 µmHg
Shah	550 µm	0.5 mmHg	0.05 µmHg
Kohlhaas	550 µm	0.4 mmHg	0.04 µmHG

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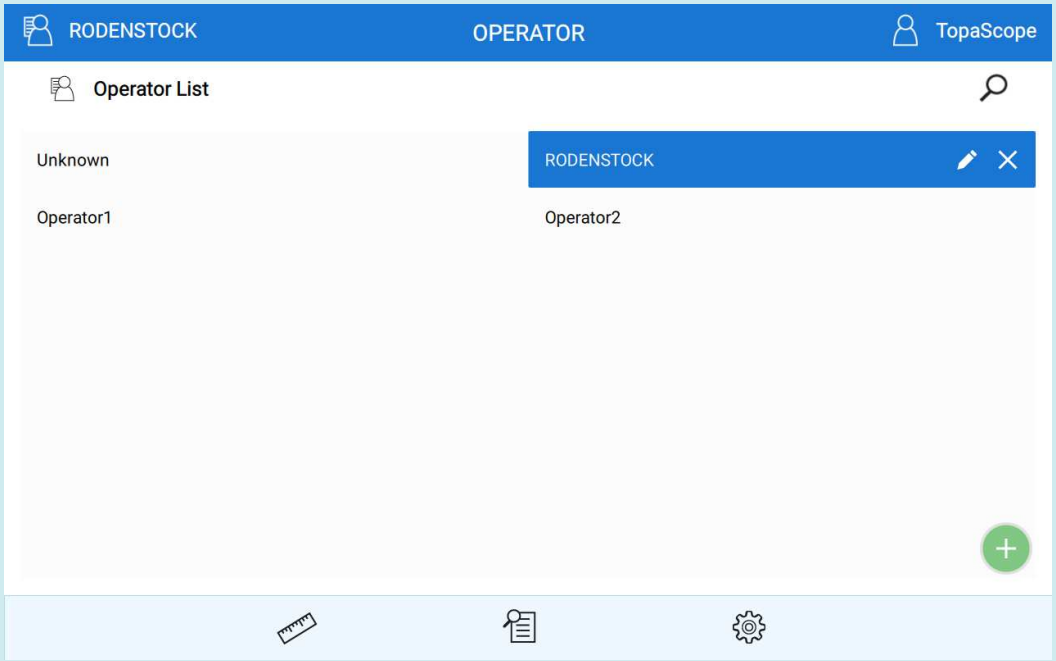
Data handling

Database

- Operator list
- Patient list
- History graph

Data handling

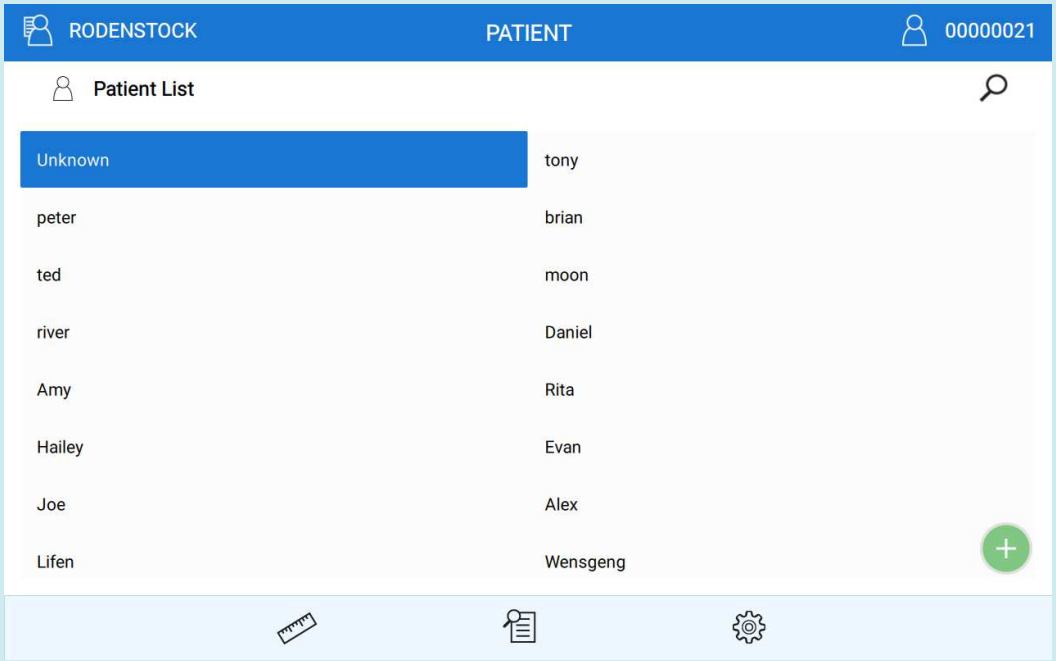


Indiviual operators may be assigned

Database

- Operator list
- Patient list
- History graph

Data handling

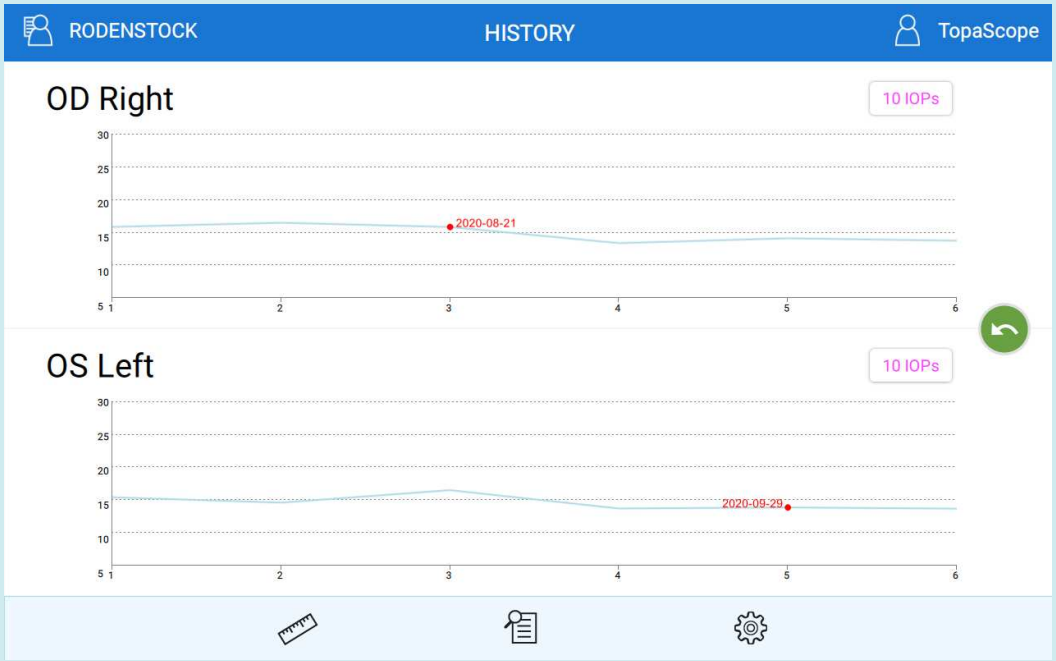


Unlimited patients may be assigned with ID

Database

- Operator list
- Patient list
- History graph

Data handling



Graph shows the progression of IOP

Database

- Operator list
- Patient list
- History graph

Data handling

Data print / export

- Inbuilt thermal printer with auto cut
- Data export by RS-232C

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C.IOP      16.0           14.0
CCT         548            556
Avg.       16.0           15.0
----------------------------
            18             16
            17             15
            17             16
            16             15
            16             14
            16             14
          Right           Left
----------------------------
           mmHg           mmHg
----------------------------
     2020-08-21 05:03:35
Patient  ID:  1234
TopaScope
```

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2 in 1 combination
Compensated IOP by CCT Measurement

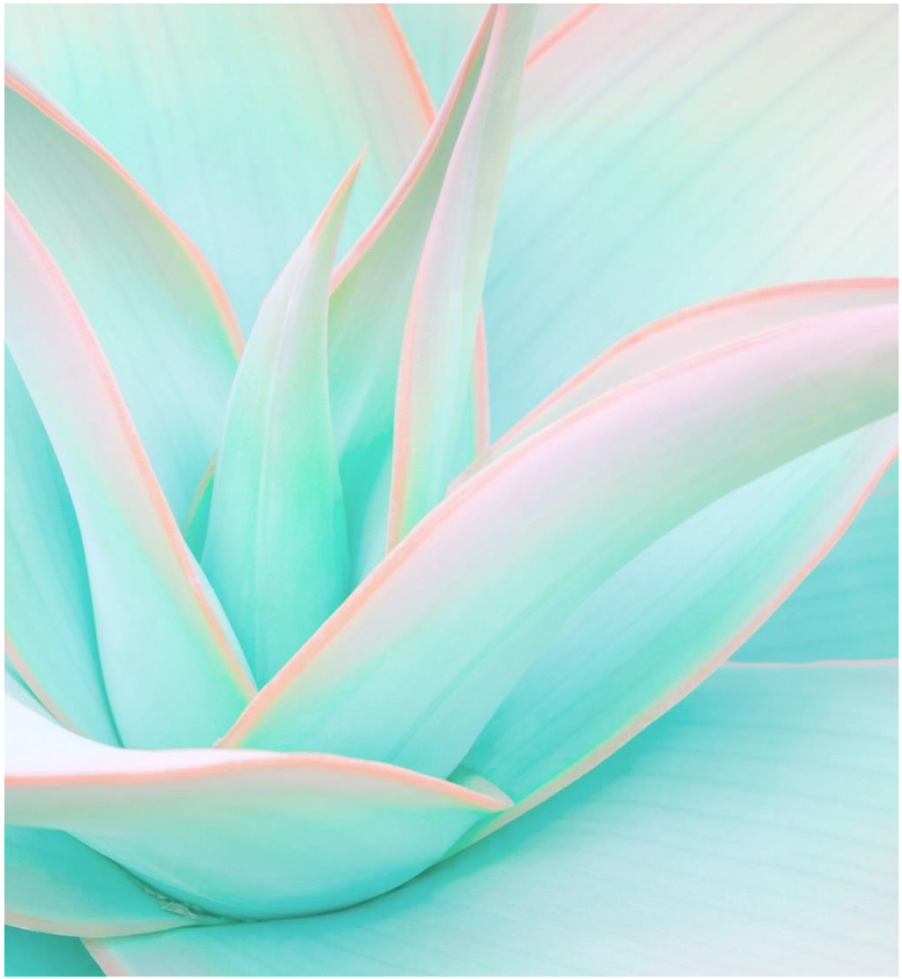
Added value
Offer new services and increase customer frequency

Competency
Acquire more expertise in the field of vision screening

Consistent quality
Measurements you can rely on

Saves time
Get the measurements done quickly

Intuitive operation
User-friendly application



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