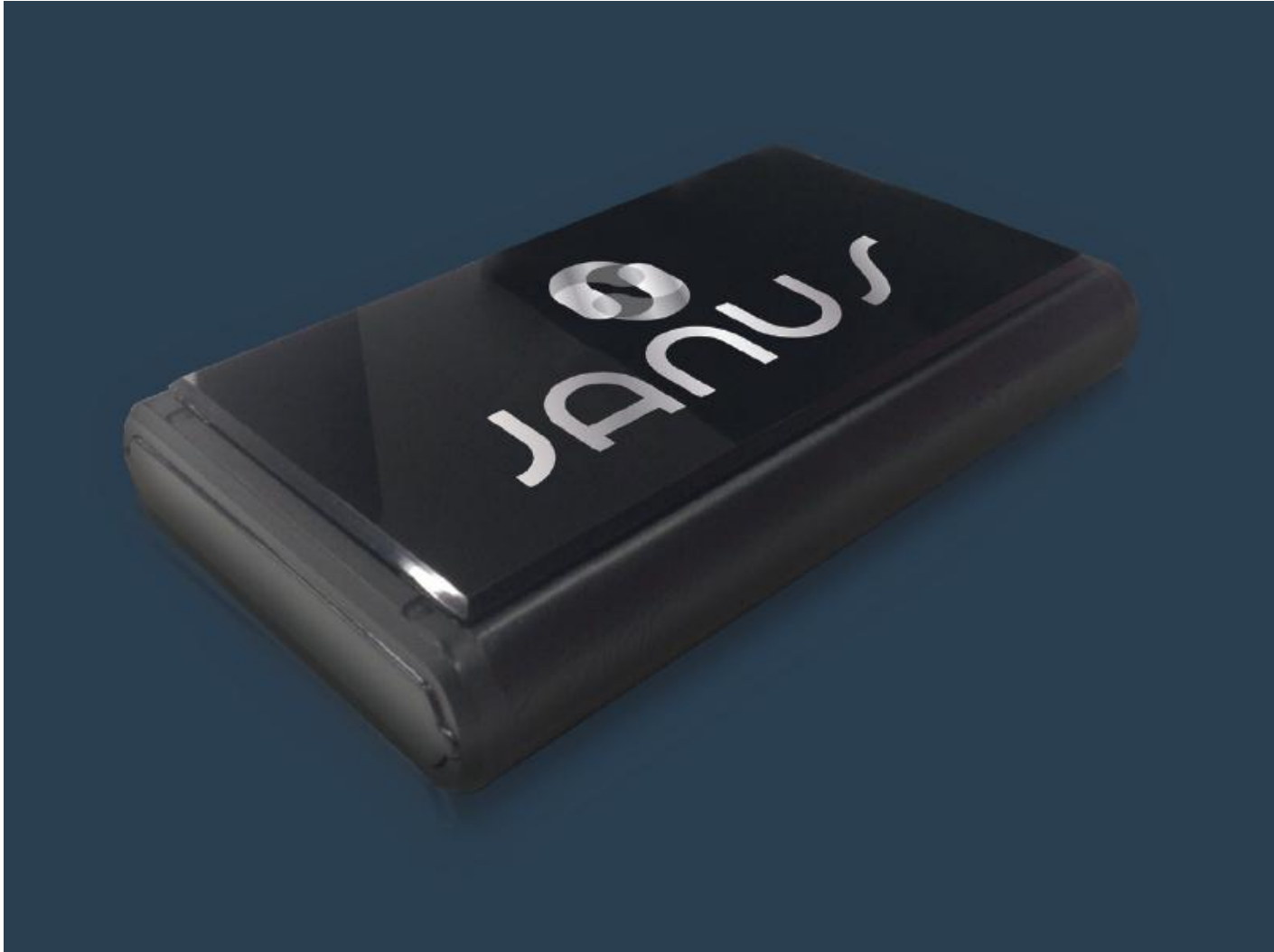




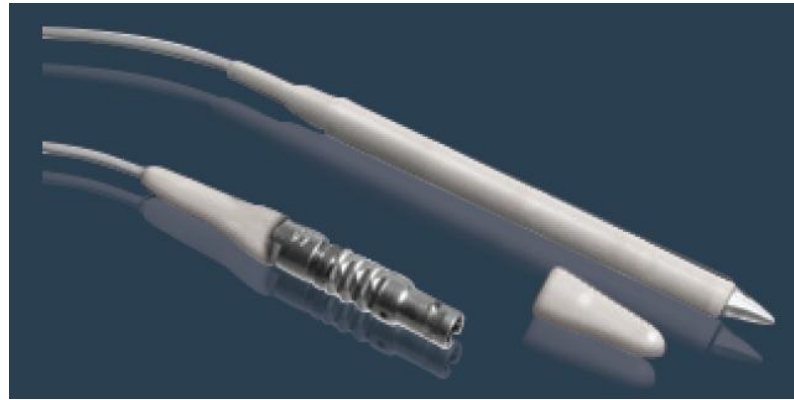
JANUS



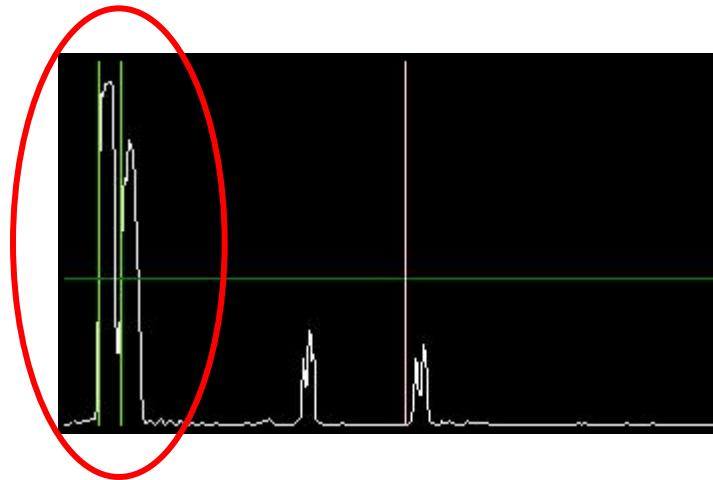
Features

- Inexpensive
- Light and compact
- Works on Windows OS
- Intuitive software
- Comfortable GUI
- Easy to install
- Easy access to the internal circuits

New 50MHz pachymetry probe



<100μm



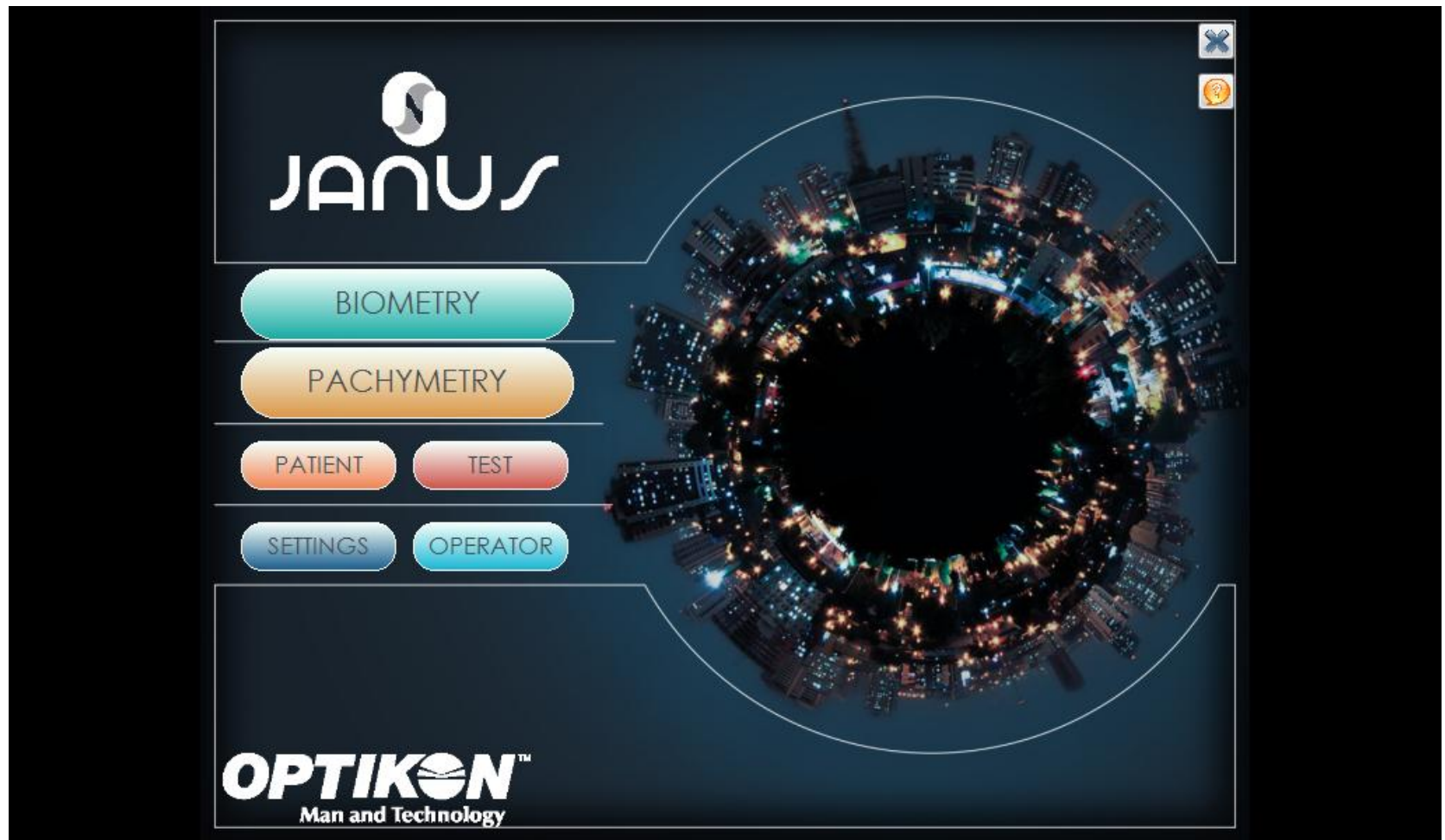
Configuration

- Console
- Padded carrying case
- Remote footswitch
- Probe holder
- Checking calipers
- USB cable
- External power supply

Software

- Developed in VB .NET
- Detailed test preview
- Manual acquiring mode with attempt of measuring
- “Service” mode for technical assistance

Start menu



Biometry environment

Patient: Piersanti, Vittorio **Biometry** OS

Date (dd/mm/yyyy): 16/07/2013 Time: 10:57:49

Eye type: **Phakic** (Main), Aphakic (IOL), Ps. Phakic (Unfreeze), Cataractous (Save)

Depth: 30mm, Modified: No

Silicone Oil (Test), Immersion (Clear), Manual (Settings)

Gain: 130.00, Threshold: 200

Mean axis length: 21.88

Standard deviation: 0.05

	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15
AC	2,82	2,67	2,82	2,82	2,85										
Lens	4,84	5,05	4,82	4,78	4,89										
Ad	21,91	21,94	21,86	21,80	21,90										

OPTIKON™
Man and Technology

IOL calculation

IOL calculator

Lens #1 | Lens #2 | Lens #3 | Lens #4

Eye data

Eye

AXL

AC

Keratometric constants

Flat (K1)

Steep (K2)

Flat (R1)

Steep (R2)

Formulas

Formula	IOL Power
<input checked="" type="radio"/> Haigis	<input type="text" value="27.17"/>
<input type="radio"/> Hoffer Q	<input type="text" value="25.80"/>
<input type="radio"/> Holladay	<input type="text" value="25.69"/>
<input type="radio"/> SRK/II	<input type="text" value="25.15"/>
<input type="radio"/> SRK/T	<input type="text" value="25.17"/>
<input type="radio"/> Average	<input type="text" value="25.59"/>
<input type="radio"/> Post-Refractive	<input type="text"/>

Lens data Select for printing

Name

Manufacturer

A constant A0

Holladay SF A1

ACD A2

Chamber

Anterior Posterior

Refractive Corneal Surgery

Correction

Myopic Hypermetropic

Implantation

Primary Secondary

Refractive type

Laser ablative

Incisional

No SIRC

No surgery

SIRC D

Calculated IOL

Calculated IOL by Haigis

IOL Power	Refraction (D)
<input type="text" value="24.50"/>	<input type="text" value="1.93"/>
<input type="text" value="25.00"/>	<input type="text" value="1.57"/>
<input type="text" value="25.50"/>	<input type="text" value="1.21"/>
<input type="text" value="26.00"/>	<input type="text" value="0.85"/>
<input type="text" value="26.50"/>	<input type="text" value="0.48"/>
<input type="text" value="27.00"/>	<input type="text" value="0.12"/>
<input type="text" value="27.50"/>	<input type="text" value="-0.24"/>
<input type="text" value="28.00"/>	<input type="text" value="-0.61"/>
<input type="text" value="28.50"/>	<input type="text" value="-0.97"/>
<input type="text" value="29.00"/>	<input type="text" value="-1.34"/>
<input type="text" value="29.50"/>	<input type="text" value="-1.71"/>

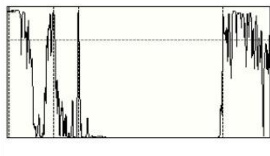
Biometry printout

OPTIKON™
Man and Technology

Optikon 2000S.p.A.
Via del Casale di Settebagni, 13 - Roma

Patient: Pasqualito, Giacomo Test # 41 Test Date: 08/01/2013 Test Time: 12:42

Measure #15



Eye data

AXL	25.82mm
AXLsd	0.31mm
AC	4.45mm
Lens	3.85mm
Avg K	44.25D
Avg R	7.63mm
Eye mode	Phakic
Immersion	No
Silicon Oil	No
Operator	

Lens #1

Name	PPP
Manufacturer	XXX
Chamber	Anterior
A Constans	118
Holladay SF	0.5
ACD	0.4

Calculated IOL(D) by Hlags

Power	Refraction
11.00	1.31
11.50	0.98
12.00	0.65
12.50	0.31
13.00	-0.02
13.50	-0.35
14.00	-0.69
14.50	-1.02
15.00	-1.36

Lens #2

Name	<Manual>
Manufacturer	XXX
Chamber	Anterior
A Constans	118.5
Holladay SF	1.51
ACD	5.26

Calculated IOL(D) by Hoffer Q

Power	Refraction
10.00	1.37
10.50	1.05
11.00	0.73
11.50	0.41
12.00	0.09
12.50	-0.24
13.00	-0.56
13.50	-0.88
14.00	-1.21

Lens #3

Name	<Manual>
Manufacturer	XXX
Chamber	Anterior
A Constans	119
Holladay SF	1.79
ACD	5.55

Calculated IOL(D) by Holladay

Power	Refraction
11.00	1.19
11.50	0.89
12.00	0.58
12.50	0.28
13.00	-0.03
13.50	-0.35
14.00	-0.66
14.50	-0.98
15.00	-1.31

Lens #4

Name	<Manual>
Manufacturer	XXX
Chamber	Anterior
A Constans	119.5
Holladay SF	2.07
ACD	5.84

Calculated IOL(D) by SRKill

Power	Refraction
12.50	1.70
13.00	1.30
13.50	0.90
14.00	0.50
14.50	0.10
15.00	-0.30
15.50	-0.70
16.00	-1.10
16.50	-1.50

Pachymetry environment

Patient: Surname, Name

Pachymetry

OO

Date (dd/mm/yyyy)	Time
11/09/2012	16:17:53

Gain: 148.60
Threshold: 103
Modified : No

Thickness (µm)

158

Gain +	Std. dev.
148.60	3.67
Threshold +	CCT
103	156
Map	ΔIOP
Map #2	10.92

Main

Maps

Unfreeze

Save

Test

Clear

Settings

Print

Calibration

Auto

OPTIKON™

Man and Technology

Pachymetry maps

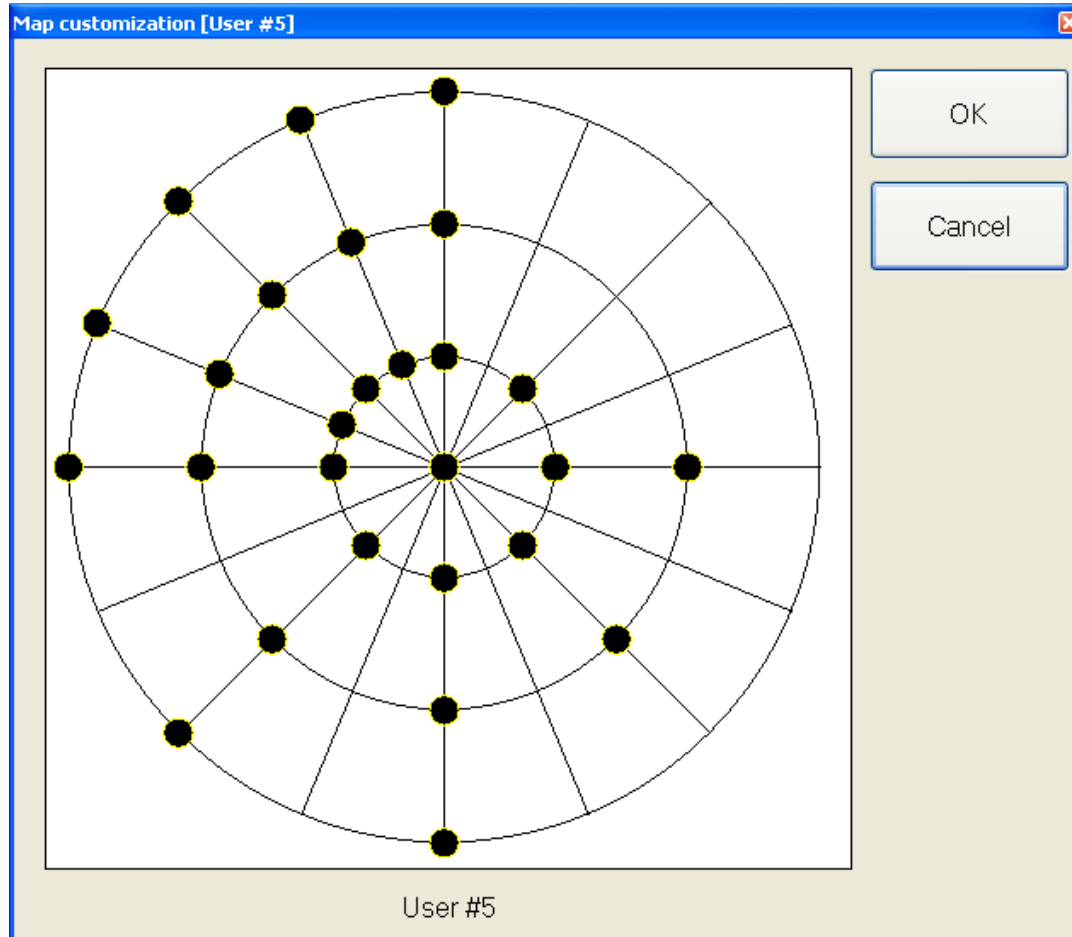
Map selection

Map #1 Map #2 Map #3 Map #4 Map #5

User #1 User #2 User #3 User #4 User #5

Exit Select

Custom pachymetry maps



Pachymetry printout

