

TonoVue-P

Fully Automated Non-Contact
Tonometer with Pachymetry



3D Tracking



Measurement



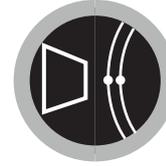
Soft Air Puff



Touch Screen



Auto Cutter

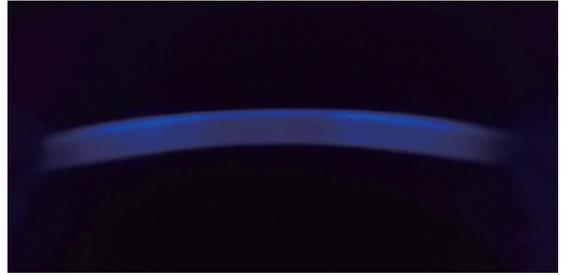


Pachymeter



Auto CCT Measurement

CCT is useful for LASIK surgery. Also, CCT is an important parameter used to compensate for IOP, and index for detection of glaucoma. Taking the technology of Scheimpflug camera and 3D auto tracking, TonoVue-P provides safe, easy and accurate measurement for CCT.



All Done by Single Tap

With fully automatic 3D tracking technique, multiple IOP measurements can be done by single tap on the screen. Simply click 'Start', the examination will begin and the result will be printed out directly.



TonoVue-P		
Patient ID:		
Operator ID:		
No. :		
Time:		

IOP	mmHg	

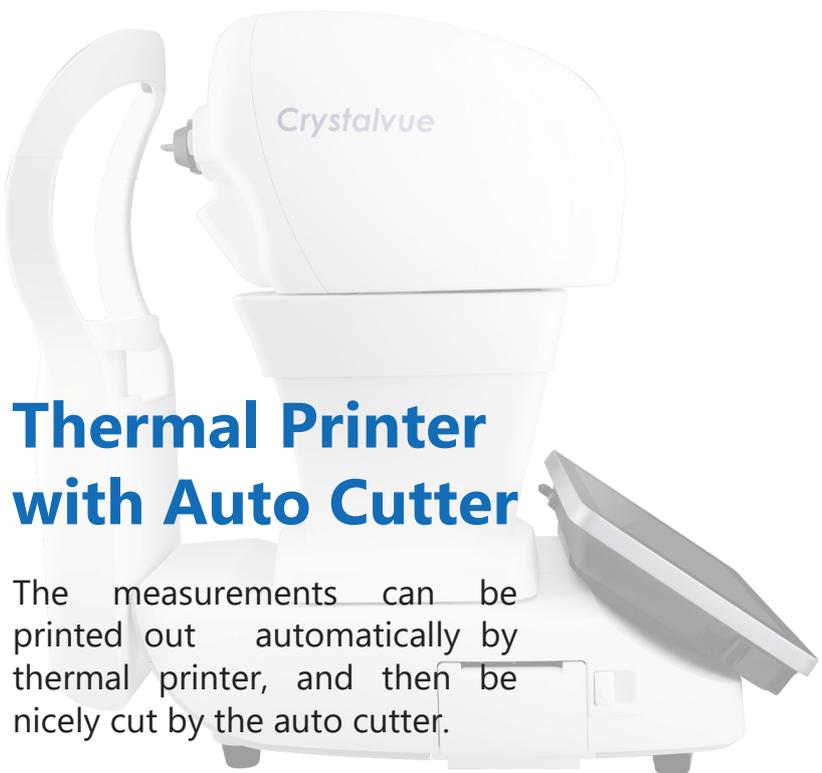
	Right	Left
	15	17
	16	16
	15	16

Avg.	15.3	16.3
CCT	500	550
C. IOP	16.3	15.3

Crystalvue Medical Corp.		

Connectivity

TonoVue-P has built in the software of patient management (database). This software enables easy and fast access to patient data through touch panel, USB or RS232.



Thermal Printer with Auto Cutter

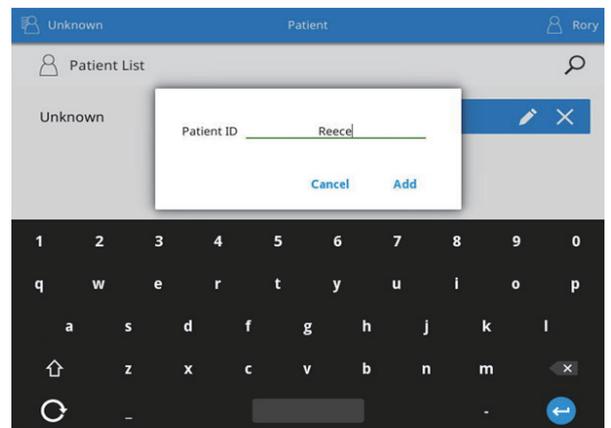
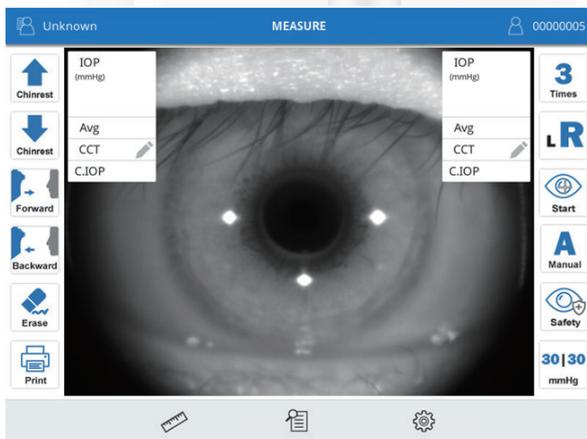
The measurements can be printed out automatically by thermal printer, and then be nicely cut by the auto cutter.

Patient Friendly- Soft and Fast

The Automatic Air Puff Control System controls the amount of air required for each individual eye. It provides softer and quieter air puff, which makes patient feel less uncomfortable. With intelligent 3D tracking, the measurements can be done fast and precisely. It shortens exam time, which not only simplifies the examination process for doctors and nurses, but also reduces the discomfort or strains for patients.

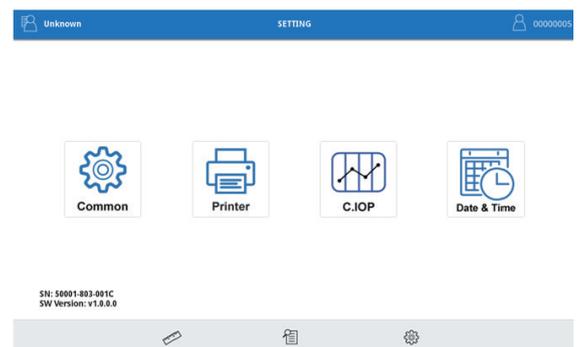
User Friendly- Simple and Clear

The large 10'1" screen and touch panel is easy to control. The instruction and icons are clear and straightforward, making it simple and easy for anyone to operate. There are also more than 10 built-in languages for users to select.



Calculation of Compensated IOP

The studies show that the central corneal thickness (CCT) could affect the accuracy of IOP measurement. For example, thinner corneas contribute to underestimation of IOP value. TonoVue-P provides compensated IOP values by auto measuring the CCT values. The compensated IOP formula can also be customized by user.



SPECIFICATIONS

Model TonoVue-P

Central Corneal Thickness

Measurement range 0.40 – 0.80 mm

Light source Blue LED

Intraocular Pressure

Measurement range 1– 60 mmHg

Measurement range setting Auto/ 30 mmHg/ 60 mmHg

Measurement principle Air puff method

Display units mmHg/hpa

Working distance 11 mm

Alignment Fully automatic 3D tracking

Chinrest Motorized

Display 10"1 LCD touch screen

Printer Thermal line printer

Interface USB / RS232

Power supply AC100V to 240V, 50/60Hz,
auto selected

Operating Environment Temperature: 10°C to 35°C
Humidity: 30% to 90%

Dimensions (WxDxH) 282 mm x 500 mm x 500 mm

Weight 17 Kg