OCULUS | PARK 1®

Non-Contact Pachymeter Autorefractor Keratometer



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User-friendly features

Big Touchscreen for Intuitive Operation

Your Advantages at a Glance

- All three measurements in a few seconds
- Automatic measurement of:
 - HWTW (horizontal white-to-white)
 - Pupil diameter
 - PD (pupil distance)
- Examination quality factor (QF)
- Integrated data administration software for customer and patient data management

- Touchscreen
- Built-in printer for quick printouts
- Motorized adjustable head and chinrest
- Single lever safety lock for safe blocking after measurement processes
- Winner of the "reddot award" for ergonomic and stylish design



OCULUS PARK 1®

Non-Contact Pachymeter, Autorefractor, Keratometer

All in One

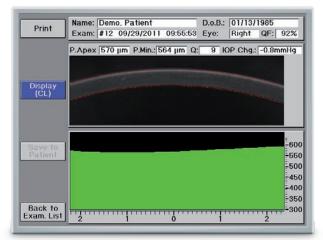
PARK 1° combines a non-contact Pachymeter, Autorefractor and Keratometer into one space saving and easy to use device. It improves patient flow by reducing measurement time and number of exam stations.



> All measurements at a glance

Non-Contact Pachymetry

The Scheimpflug based non-contact pachymeter measures on a 4 mm horizontal slit through the corneal apex, providing the minimum thickness and corneal apex thickness values. The external measured IOP can be entered in the PARK 1[®] software to be corrected for corneal thickness effect using selected formulars.

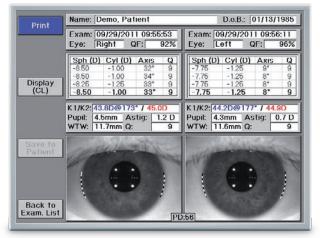


> Scheimpflug image of the cornea and corresponding corneal thickness progression

Autoref/Keratometry

PARK 1[®] measures refraction and keratometric values quickly and accurately. Automatic measurement feature provides reproducible results.

Additionally, corneal diameter (HWTW), pupil size and pupil distance (PD) are measured and displayed.



> Measurement results for both eyes

Patient Database

PARK 1° offers a patient data management system to store all patient data. It can be easily connect to a PC, Laptop and your existing EMR system.

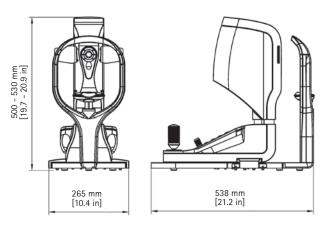
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> Touchscreen patient data management system

Technical Data OCULUS PARK 1®

Pachymeter (P)Measurement range200 to 1200 µmNumber of analyzed measuring points600Measuring timeapprox.1 sec.Light sourceblue LEDs (455 nm UV-free)Autorefractor (AR)Corneal vertex distance (CVD)Corneal vertex distance (CVD)0; 10.5; 12.0; 13.75; 15.0; 16.5 mmSphere-20 to +22 D (CVD = 12 mm) (choice of 0.01, 0.12 and 0.25 diopter increments)Cylinder10 D (CDV = 12 mm) (choice of 0.01, 0.12 and 0.25 diopter increments)Axis0* to 180° (in 1* increments)Minimum measurable pupil diameter2.5 mmFixation targethot air balloon over a landscapeKeratometer (K)Keratometer (K)Measuring range9 to 99 D, 3 to 38 mmAccuracy± 0.1 DTechnical specificationsDimensions (W x D x H)Violtage100 -240 V ACFrequency50 -60 HzFar PD20 to 80 mm (in 1-mm increments)Measuring range for corneal diameter10 to 14 mm (in 0.1-mm increments)Measuring range for pupil diameter10 to 14 mm (in 0.1-mm increments)Auto alignmentautomatic negative alignment (y-direction)Auto alignment4 utomatic negative alignment (y-direction)Auto alignmentautomatic negative alignment (y-direction)							
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Auto alignmentautomatic height alignment (y-direction)Auto shotautomatic measurement release	Measuring range for corneal diameter	10 to 14 mm (in 0.1-mm increments)					
Auto shot automatic measurement release	Measuring range for pupil diameter	1 to 8 mm (in 0.1-mm increments)					
	Auto alignment	automatic height alignment (y-direction)					
Working distance approx. 36 mm (1.4 in)	Auto shot	automatic measurement release					
	Working distance	approx. 36 mm (1.4 in)					
Printer thermal printer	Printer	thermal printer					
Display TFT – LCD 5.7" (touchscreen)	Display	TFT – LCD 5.7" (touchscreen)					
Interface USB	Interface	USB					
Standard accessoriesprinter paper, power cable, dust cover, chinrest paper, USB mini cable, instructions for use, occluder (eye patch)	Standard accessories						

C€ in accordance with Medical Device Directive 93/42/EEC



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