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OptoChek™ *Plus*
Auto Refractor + Keratometer

Elements of Refraction

Combining Technology, Simplicity, and Value at the Core of Your Exam.

OptoChek™ Plus

Auto Refraction + Keratometer

Reichert TECHNOLOGIES AMETEK

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OptoChek™ Plus Auto Refractor + Keratometer

The all-new Reichert® OptoChek™ Plus Auto Refractor + Keratometer is thoughtfully designed and packed with powerful features that streamline the pre-test process for all eye care practitioners, making it a welcomed addition to our renowned family of lane and refraction equipment. The OptoChek™ Plus is fast, simple, and best of all, allows you to easily obtain important pre-test measurement information at the start of your exam quickly and accurately.

Slim and Elegant Design

Featuring a slim, ergonomic profile and compact footprint, the OptoChek™ Plus saves valuable space and fits seamlessly into existing pre-test rooms and office settings. It even has a small storage compartment located on its top for convenient stowing of essential supplies and accessories.

Simple User Interface and Touch Screen Display

The 5.7" full-color LCD touchscreen monitor displays intuitive icons with incredible visibility. The display has the capability of pivoting on a 50˚ vertical axis and 30˚ horizontal axis so that the OptoChek™ Plus can be easily configured to accommodate any operator.

Improved Measurement

An adjustable chinrest and redesigned joystick make it easy for any practitioner to correctly position the patient for accurate, comfortable measurements. For even greater efficiency, Auto-Quick Measurement Mode reduces the amount of time needed to obtain measurement and greatly increases patient throughput.

Reliability Index

The innovative Reliability Index takes into account all factors of the measurement process so you can be confident in the accuracy of your readings.

IOL Measurement Mode

The new IOL measurement mode allows for measurements on patients with intraocular lens implants or cataracts to be obtained without difficulty. It has the ability to obtain measurements on patients with intraocular lens implants or cataracts with the new IOL measurement mode with ease.

Wide Measurement Range

Accurately and continuously obtain wide-ranging measurements of Sphere (-30 to +22 Diopters), Cylinder (0 to ± 10 Diopters), and Axis (0° to 180°).

Photopic and Scotopic Mode

Scotopic Pupil Size (SPS) and Photopic Pupil Size (PPS) modes adjust illumination to assess the accommodation for different lighting conditions.

PD Measurement

Pupillary distance (PD) is automatically measured after reading both eyes, increasing efficiency and patient throughput.

Data Output Options

Data output options include a built-in printer and RS-232C interface that can be configured to send data to your EMR or any Reichert® Digital Phoroptor® for quick and immediate results. Easily connect the OptoChek™ Plus to an entire Reichert digital lane, for a completely connected exam and increased practice efficiency.

OptoChek™ Plus

Catalog Number: 15170 Auto Refractor + Keratometer

Specifications:

Refractive Measurement Range

Sphere	-30D to +22D (in case VD=12) (Step: 0.12/0.25D)
Cylinder	0 to ± 10D (Step: 0.12/.25D)
Axis Angle	1 to 180˚ (Step: 1˚)

Keratometry Refraction Range

Radius of Curvature	5.0 to 10.0 mm (Step: 0.01 mm)
Corneal Power	33.75 to 67.5D (Corneal refractive n=1/3375) (Step: 0.12/0.25D)
Degree of Corneal Astigmatism	0 to ±10D (Step: 0.12/0.25D)
Axis Angle	1 to 180˚ (Step: 1˚)

Refraction

Pupil Diameter Measurement Range	2.0 to 8.5 mm (Step: 0.01 mm)
PD Measurement Range	85 mm (Step: 1 mm)
Vertex Distance	0, 10, 12, 13.5, 15 mm
Minimum Pupil Diameter	2.0 mm
Printer	Thermal line printer (Paper width: 58 mm)
Internal Monitor	145 mm (5.7 inches) color LCD monitor

Positioning Range of Measurement Unit

Front/ Back	±22 mm
Right/ Left	±43 mm
Up/ Down	±17 mm
Vertical Adjustment Range of Chinrest	±30 mm
Output	RS-232C

Size

Weight, Unpacked	28.1 Kg (12.8 lbs)
Height	46.4 cm (18.3 in.)
Width	22.9 cm (9.0 in.)
Depth	42.9 cm (16.9 in.)

Electrical

Input Power	100 to 240V @ 50/60Hz, 60 VA
Fuse	T2AL 250 VAC
Bluetooth Power Source	5 VDC ± 5% @ 200 mA (typical)
Power Saving Function	OFF, 3, 5, 10 min. (switchable)

OptoChek™ Plus

Auto Refractor + Keratometer

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Call Reichert at +1 716-686-4500, toll-free 1-888-849-8955,
or contact your Authorized Reichert Technologies Distributor.