APH400

essilor

WELCOME TO THE WORLD OF AUTOMATIC REFRACTION

APH 400 AUTOMATIC REFRACTOR

pola

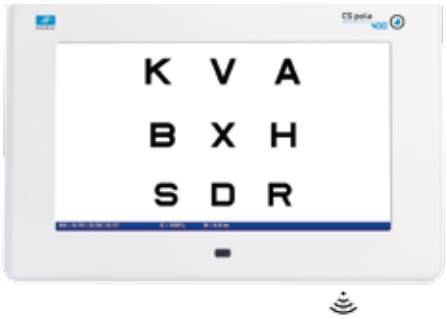
Optometry

WELCOME TO

THE WORLD OF DIGITAL

REFRACTION

The **APH 400** is an automatic refractor that integrates seamlessly into your existing refraction environment to speed examination and streamline workflow. Featuring state-of-the-art technology, this user-friendly solution will help transform the patient experience and enhance your expertise in the refraction room.



INTUITIVELY SIMPLE TO USE

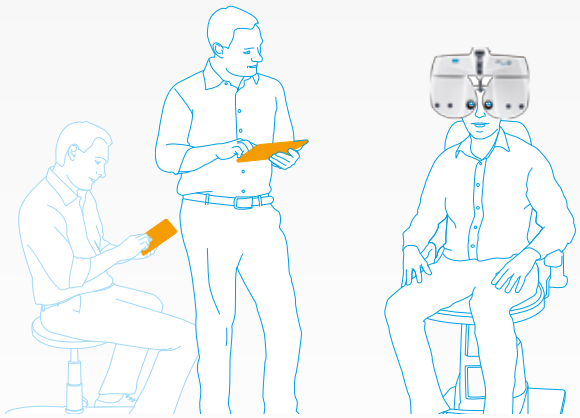
- The interface performs all routine manual refraction tasks, instantly adapting to your working methods and processes in every exam situation.
- It's intuitive and immediately simple to use with easily-accessible commands all grouped onto one screen.
- An interactive visual aid is available at the touch of a button for first-time users.

EASY TO INSTALL

- Installation is simple - with no wiring required.
- The APH 400 refractor, screen and tablet are programmed for immediate integration and use via wireless connectivity.

FASTER REFRACTION PROCES

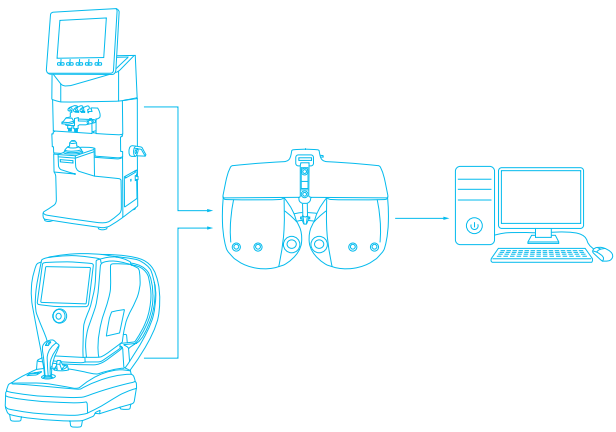
- Connected to the refractor head and the screen, the tablet monitors the entire refraction process for faster, more efficient exams.
- By collecting data from a lensmeter or Essilor AKR, the system ensures refraction starts as close as possible to the patient's correction.
- It includes a memory function that stores refraction data enabling you to gain time and more effectively demonstrate the benefits of the new correction.



A PROFESSIONAL EXPERIENCE

- Wireless connectivity means you can control the entire refraction process from the tablet at a comfortable distance from your patient.
- Ergonomic design and mobile controls enable you to focus more on your patients and less on the technology during the exam.
- The tablet also offers a convenient way to share information and results instantaneously with patients.

AN OPEN DATA EXCHANGE SYSTEM



To simplify and speed the examination process, the APh 400 can pull in data from an lensmeter or an AKR(1).

At the end of refraction, the refraction results can be automatically transfered to your Patient Management Systems (PMS) or Electronic Health Record (EHR) (1).

(1) Check the compatibility of devices with manufacturer.

APH 400

LCD SCREENS OFFER

CS 400

CS POLA 400

	CS 400	CS POLA 400
Screen size	LCD screen 19"	LCD screen 24"
Brightness/Constrast	250 Cd/M² - Contrast from 100% to 1%	250 Cd/M² - Contrast from 100% to 1%
Projection Distance	2 to 6 m	2 to 8 m
TES		
Optotypes	letters, numerals, Snellen, Landolt rings, 4 ranges for children.	letters, numerals, Snellen, Landolt rings, 4 ranges for children.
Visual functions	ETDRS scale with scores at 1m, 2m and 4m, Parent's test, Dots tests, Jackson's cross, Worth's test, Schoeber's test, Depth perception test, Coincidence test, Phoria test, Fixation points, Ishihara tests, Red/Green test	Parent's test, Malett's test, MKH tests (cyclophoria, stereo etc.), Dots tests, Jackson's cross, Worth's test, Schoeber's test, Depth perception test (polarized), Coincidence test, Aniseikonia (polarized), Phoria test (polarized), Fixation points, Isihara tests, Binocular balance (polarized)
Dimensions and weight	L 430 mm x H 370 mm x P 70 mm - 6 kg	L 695 mm x H 465 mm x P 70 mm 8 kg
Power supply	100 - 240 V AC 50/60 HZ	100 - 240 V AC 50/60 HZ

Measuring Range		**Auxiliary Lenses**	
PD	52 ~ 80 mm	Red/Green filters	●
Sphere	-19.00 D ~ 16.75 D (0.25 D / 0.5 D / 1.0 D / 3.0 D)	Polarized filters	●
Cylinder	-6.00 D ~ + 6.00 D (0.25 D)	Prism	6 Δ I / 10 Δ U
Axis	0° ~ 180° (1° / 5°)	Horizontal / Vertical Maddox Red	Rouge
Prism	0 ~ 20 Δ (1 Δ)	Skiascopy lens	●
		Cross cylinders (±0.25D)	●
Nv Convergence	●	Pinhole	●
Dimensions and weight	L 360 mm x H 280 mm x P 80 mm - 3.8 kg	**Power Supply**	DC 24 V 60 W 50 / 60 Hz
			Compliance CE marking

Product functions

Measurement range - sphere and cylinder

Measurement range - Prism

Polarization

Cross cylinders

Wireless data transfer

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