



To whom it may concern,

Topcon Healthcare Inc. is a direct sales organization and does not allow for resale of products through distribution channels in the United States of America. If Topcon equipment is purchased from a 3rd party vendor, the equipment will not be covered under service contract warranty.

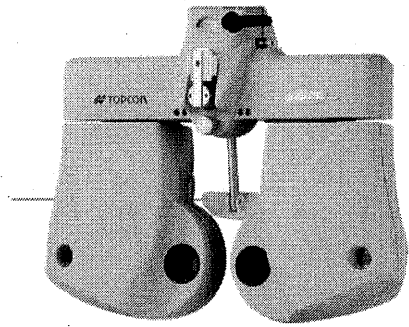
Sincerely,

Steve Agostinacchio
National Sales Director

Salient Characteristics

CV-5000S

Digital Phoropter



The Topcon CV-5000S is an advanced digital phoropter that streamlines refractions, integrates seamlessly with pre testing and EMR systems, and enhances patient care through efficient, precise, and customizable eye examinations.

Digital Phoropter Salient Characteristics

A digital phoropter device must incorporate the following features:

1. Computerized system with a compact optical phoropter, sealed electronic lens banks, and high-speed lens rotation for quicker refractions.
2. Pre-test connectivity to allow for fast and easy subjective refinements starting from the preliminary results. Output pretest and subjective testing at the simple push of a button to accelerate the workup process and allow eye professionals to focus less on routine tasks.
3. Quick one-touch RX comparison to allow patients to instantly see the difference between their old and new glasses prescription for immediate feedback and increased confidence about changing their prescription.
4. Color Touch Screen with One-Dial Controller: Ergonomically designed for comfort, to minimize musculoskeletal strain, and enhance efficiency for safer and more effective operation from a greater distance.
5. Topcon Cross Cylinder™ (TCC) features a color-coded split prism that presents two lens choices simultaneously, simplifying the selection process for patients and leading to more accurate and less confusing eye exams.
6. Standard color-coded Jackson Cross Cylinder (JCC) with one-touch lens bank flipping for preferential workflow methods and reduced patient confusion.
7. Built-in patient education and graphics to educate patients on the anatomy and visual conditions of the eye.
8. Customizable refraction programs to allow doctors to maintain their standard testing sequences and maximize flexibility for multiple users.
9. Onboard 21-point refraction tests to record a thorough and detailed evaluation of a patient's refractive error.
10. Customizable display with advanced capabilities: To allow users to add custom charts, images, and movies, enhancing visual presentation. It also includes built-in photopic and scotopic examination scenarios for prescribing day and night lenses for patients with nighttime driving difficulties.
11. High-speed connectivity using peer-to-peer networking, Bluetooth, or serial communications for seamless bidirectional data transfer.
12. Remote-controlled refraction with Topcon RDx™ (optional) to allow refractions to be performed by remote clinicians and/or technicians, significantly increasing eyecare access in remote areas without the necessity for onsite clinicians and facilitating safe social distancing practices.
13. Tilting optical head and LED illumination to simulate a natural reading angle and working distance, to allow the user to observe the patient's expression and comfort level during near vision testing/reading/working angle and make necessary adjustments for enhanced patient comfort.

SPECIFICATIONS

Spherical Power	Measuring range	+27.00 to -27.00D
	Measuring step	0.25D/1.00D/2.00D/3.00D
Cylinder Power	Measuring range	+8.00 to -8.00D
	Measuring step	0.25D/1.00D
Cylinder Axis	Measuring range	0 to 180°
	Measuring step	1°/5°/15°
Prism	Measuring range	0 to 20Δ (all direction)
	Measuring step	0.1Δ/0.2Δ/0.5Δ/1.0Δ
Pupillary Distance	Adjustment range	48 to 80mm
	Adjustment step	0.5mm/1.0mm
Cross Cylinder	Jackson Cross Cylinder	±0.25D/±0.50D
	Auto Cross Cylinder	±0.25D
Test lens (Aux lens)	Red-Green filter, Polarizing filter (45°/135°), Prism (6Δ/10Δ), Red Maddox (horizontal/vertical), Lens for retinoscopy (+1.5D/+2.0D), Cross cylinder for measuring presbyopia (±0.50D). Occluding plate, Pinhole, and Cross hairs glass.	
Reference eyeglass wearing distance	12mm, 13.75mm, 16mm, 18mm, 20mm	
Convergence	Near-point distance 40/67cm (Minimum pupillary distance at near-point 40cm convergence: 53mm)	
Forehead rest adjustment range	15mm	

DIMENSIONS & WEIGHT

Measuring head (Non-arm mounted type)	294-328mm (W) x 115mm (D) x 261mm (H) 4.0kg
Measuring head (Arm-mounted type)	294-328mm (W) x 115mm (D) x 324mm (H) 4.6kg
Power Supply Unit w/External PC	276mm (W) x 197mm (D) x 117mm (H) 2.7kg
Power Supply Unit w/Built-in PC	276mm (W) x 197mm (D) x 117mm (H) 3.9kg
One Dial Controller	300mm (W) x 250mm (D) (MAX) x 200mm (H) (MAX) 2.3kg

CONNECTIVITY

