

Tech Specifications

Power Measurement	eMap^{C1}	eMap^{C2}	Portal
Spherical Power - Point Measurement	✓	✓	
Cylindrical Power - Point Measurement	✓	✓	
Mean Spherical Equiv. - Point Measurement	✓	✓	
Prism - Point Measurement	✓	✓	
Surface Inspection			
Image display - Semi-automatic	✓	✓	
Lens edge defect display	✓		
Automatic highlighting of surface scratches and abrasions	✓	✓	
Manual pass/fail	✓	✓	
Automatic pass/fail	✓	✓	
Visualisation			
Spherical Power Map	✓	✓	✓
Cylindrical Power Map	✓	✓	✓
Mean Spherical Equiv. Map	✓	✓	✓
Prism Map	✓	✓	✓
Regions of interest (Add, Distance, PD, Corridor length)	✓	✓	✓
Overlay Measured Heatmap on frame		✓	
Consumer quality check			✓
External printer (optional)	✓	✓	

Become leaders in quality. The eMap™ solution from Eyoto™ gives you the power to ensure 100% compliance to the prevailing standards, without subjectivity. By implementing eMap™ into your production facility you can ensure the highest quality control standards whilst reducing costs and increasing your company profits.

Reduce production costs through faster, more comprehensive and consistent quality checks.

The eMap™ solution delivers rapid inspection of uncut lenses or a complete pair of spectacles providing fast, accurate QC checks.

Checking for surface quality and power match against the prescription the eMap™ systems provide pass/fail results to confirm semi-finished or finished blanks meet your facility QC standards before finishing or final edging. Final inspection confirms correct glazing as well as surface inspection compliance without subjectivity.

Provide evidence of the quality checks to your end customers to demonstrate the high quality of each and every product that leaves your facility.

eMap™ gives your business full trace-ability allowing you to find the source of errors and rejects and address the root-cause quickly, reducing costs from wastage, rejects and returns.

The cloud-connected portal allows for comprehensive data retrieval and learning comparisons via your dashboard. Drive your business to maximise efficiency of production and the quality of your end product.

Dimensions	Height: 550 mm x Width: 420 mm x Depth: 350 mm
Weight	28kg
Screen	10.4" touch screen panel
Power Requirements	110 – 240 VAC (50/60 Hz)
Data output	via Cloud Portal and Screen Interface
Range	Lens powers between ± 10 D (step 0.01, 0.06, 0.12, and 0.25 D)
Cylinder power	0 ~ +5 D (step 0.01, 0.06, 0.12, and 0.25 D)
Cylinder axis	0 ~ 180° (step 1°)
Add power	0 ~ +4 D (step 0.01, 0.06, 0.12, and 0.25 D)
Distance reference point	Automatically detected
Near reference point	Automatically detected
Prism power	0 ~ +6 Δ (step 0.01 Δ)
Base axis	0 ~ 360° (step 1°)
PD measurement**	40 ~ 80 mm
Lens blank mapping/surface*	18 ~ 75mm/80 mm diameter lens blank, up to 20 mm thickness
Spectacle lens mapping**	Up to 60 mm diameter lens blank, up to 20 mm thickness
Lens detection	Single vision, Progressive, Bi-focal
Standards	ISO 8598-1:2014/ANSI Z80.1-2015

*eMap C1 only

** eMap C2 only