POTEC

NEW

Auto Ref-Keratometer

PRK-9000

MERCOFRAMES
OPTICAL CORP

* 3D / 2D Semi Auto Tracking
* Dry Eye Pre- Diagnosis
* 8" Wide LCD Monitor

POTEC
PRK-9000

PRK-9000 is designed to deliver increased measurement accuracy and a range of multifunctional capabilities, including Dry Eye Diagnosis.
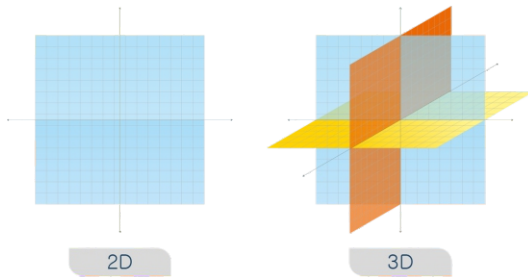
MERCOFRAMES
OPTICAL CORP

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3D/2D Semi Auto Tracking

Automatic eye recognition and three-dimensional drive mechanism automatically tracks the measurement point of the pupil for convenient and optimized focusing conditions.

2D   3D

Redefined Accuracy

The high-performance latest CPU enables rapid image processing of eye information captured by the high-resolution camera.

Dry Eye Pre-Diagnosis

Provides an observation mode for meibomian degeneration that can be used as basic data for diagnosing tear film condition and dry eye.

Other Features

* Color view mode
* Enhanced connectivity (LAN, HDMI)
*Superior low vibration and noise performance
* WiFi communication (optional)

Specifications

Measurement Modes	① REF ② KER ③ K/R ④ CLBC ⑤ K(P)

REFRACTOMETRY

Vertex Distance (VD)	0.0, 12.0, 13.5, 15.0mm
Sphere Power (SPH)	-30.00 ~ +25.00 D (VD: 12mm)
Cylinder Power (CYL)	0.00 ~ ±10.00 D
Axis (AX)	1~180˚ (Increments: 1˚)
Cylinder Form	-, +, MIX
Pupil Distance (PD)	10 ~ 88mm
Minimum Pupil Diameter	Ø 2.0 mm

KERATOMETRY

Radius of Curvature	5.0 ~ 13.0mm (Increments: 0.01mm)
Corneal Power	25.96 ~ 67.50 D (n=1.3375)
Corneal Astigmatism	0.00 ~ -15.00 D
Axis	1 ~ 180˚ (Increments: 1˚)

OTHER

Corneal Diameter	2.0 ~ 14.0mm (Increments: 0.1mm)
Internal Printer	Thermal line printer with Auto-Cutter function
Monitor	8-inch TFT LCD monitor
3D Auto Tracking Range	X, Y, Z: 10mm (±2mm)
Chinrest	Motorized
Communication	RS-232, LAN, WiFi (optional)
Update	USB (A type) memory card
Dimensions & Weight	260(W) × 520(L) × 480(H)mm / 20kg

* Design and specifications are subject to change without prior notice.