

TECHNICAL SPECIFICATIONS

POWERmap

VC 2001
MILLENNIUM

Dedicated For

Multi-focal, aspheric, toric & spheric soft and hard contact lenses.

Measuring Range

-25D to +25D, *Soft C.L. in saline*
-15D to +10D, *Hard C.L. in air*

Measuring Diameter

up to the entire lens

Measuring Time

4 seconds

Output Display

- Sphere map and values
- Cylinder map and values
- Axis map and values
- Prism map and values
- Cross-section graphs

Repeatability

0.03D

Steps

0.01, 0.05, 0.125, 0.25, 0.5D

Supported Formats

- ASCII files
- Connection to printer
- Network facilities

Operating Modes

- R&D
- Production

Additional

- Scribe line analysis for Toric lenses
- Automatic rotation for Toric lens
- Annular average measurement
- Averaging zones
- Quality parameters

Power Supply

230V/110V

Dimensions

310(W) x 400(D) x 490(H) mm

Weight

16kg

Subject to change in design and/or specifications, without advance notice.

VISIONIX

A Vision of the Future

Established in 1994, VISIONIX helped chart a new course for ophthalmic lens and mold analysis when it introduced its PowerMap systems, based on the Hartman Wave front 3-D Technology. Aside from these unique systems designed for lens, contact lens and mold manufacturers and laboratories, VISIONIX also develops metrological technology and 3D vision systems for building, construction, aerospace and military applications.

With offices and R&D facilities in Israel and the United States, VISIONIX' wide customer-base includes leading companies in the fields of optics, construction and aeronautics: Ciba Vision, Vistakon, Bausch & Lomb, Medicon, Nippon, Toray, Occular Science, G&G, Cooper Vision etc...



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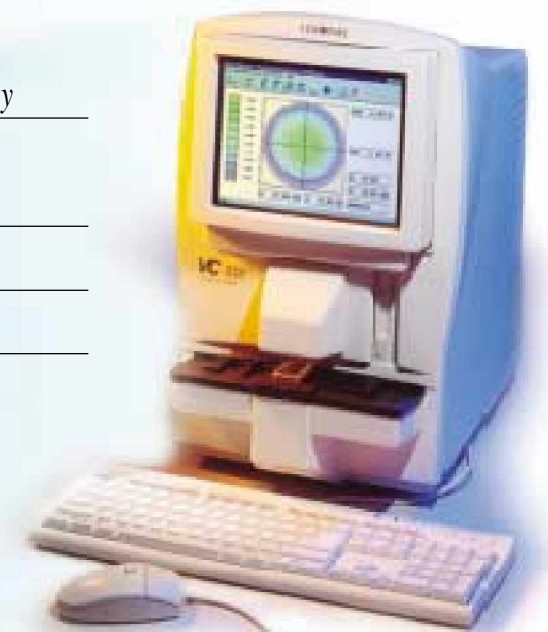
POWERmap

Wavefront analysis based on Hartmann technology

Power Mapping of all Contact Lens Types - from Spheric to Multifocal

Quick, Accurate, Objective Measurements

User-Friendly & Cost-Effective



VISIONIX
A Vision of the Future



Power Mapping of All Contact Lens Types

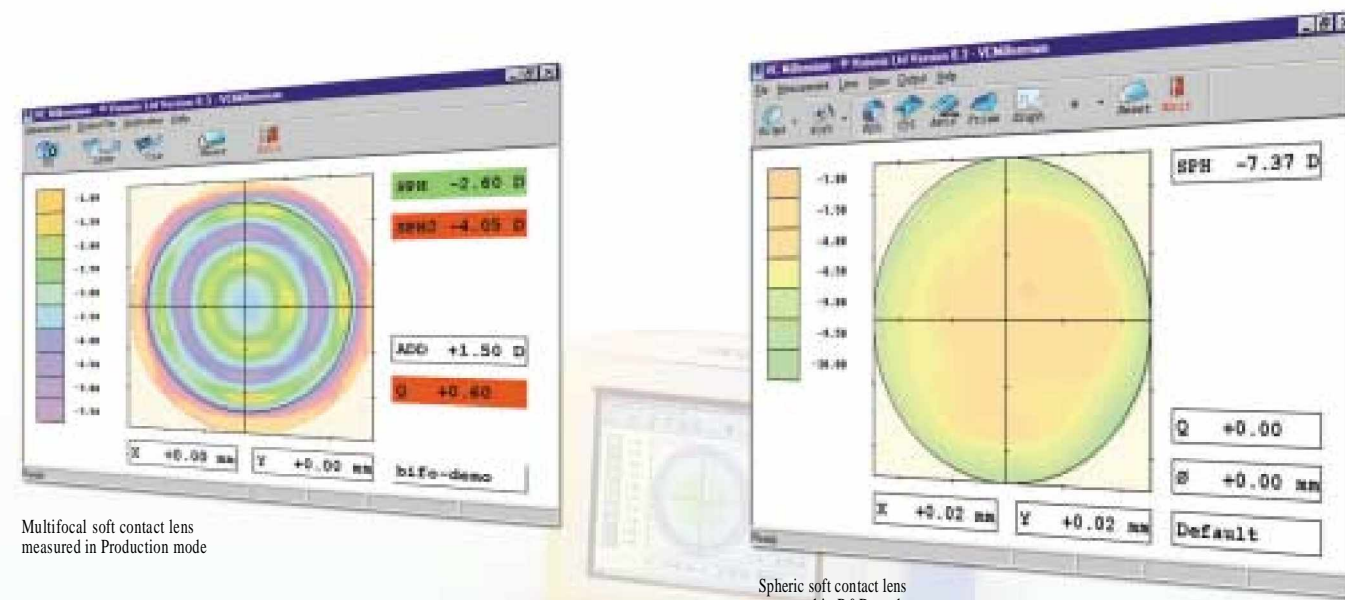
VC 2001 MILLENNIUM

Complete Power Mapping of Spheric, Toric, Aspheric & Multi-Focal Contact Lenses

A unique method for comprehensive inspection and analysis of multifocal contact lenses.

The VC 2001 Millennium also power maps spheric, toric and aspheric contact lenses. Providing four times the information of the VC 2000, the PowerMap VC 2001 Millennium analyzes soft lenses in saline, and hard contact lenses in air. Quick and efficient, the VC 2001 provides a

high-density measurement of the lens, and is the only system on the market ensuring an **accurate, fast and objective analysis of multi-focal contact lenses in one measurement.**



Multifocal soft contact lens measured in Production mode

Spheric soft contact lens measured in R&D mode

VISIONIX POWER MAPPING VERSUS TRADITIONAL LENSMETER Ensuring Optimum Optical Measurement Analysis Based on Hartman Wavefront Technology

Up until now, contact lens analysis has been conducted through a one-point-at-a-time lensmeter measurement process. Providing limited information about one **small portion of the contact lens.**

POWER MAPPING makes the impossible possible, by quickly and simultaneously measuring all the optical parameters of a contact lens.

The Visionix Power Map solutions are superior to the traditional lensmeter:

- The VC measures over **500 points of the lens.** This full coverage of the lens means highly accurate, easily repeated results highly accurate and easily repeatable results, for any type of lens, especially new soft multifocal contact lens.
- As opposed to the traditional lensmeter, Visionix VC 2001 Millennium measures **soft lenses in saline**, enabling a stable measurement with no tear risk to the lens
- As opposed to the traditional lensmeter, Visionix VC 2001 Millennium is **Operator independent**, allowing highly objective results

Soft contact lens in saline
Hard contact lens in air

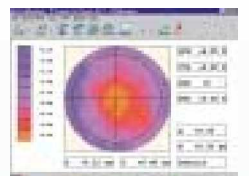


APPLICATIONS:

- **Research & Development** Investigates and analyzes the optical parameters of all types of soft and hard contact lenses.
- **New Contact Lens Design** An ideal tool for designing new multifocal and aspheric contact lenses.
- **Production Mode** an exceptional tool for Quality Control, with a "GO/NO GO" indicator that alerts user of any deviation from predefined optical tolerance of lens parameters.
- **R&D Mode** Accurate analysis of 500 points on the contact lens allowing comprehensive analysis of any new contact lens development.

BENEFITS:

- **Identifies full range of Contact Lenses including hard or soft lenses;** spheric, toric, aspheric, bifocal & multifocal.
- **Entire Contact Lens Analysis:** Sphere, Cylinder, Axis and Prism Analysis. All are outlined on a complete color lens map of the entire surface.
- **In-Depth Information:** Provides a complete analysis of the entire contact lens, including cross-section, averaging zones and ring measurements.
- **Accurate, Comprehensive, Fast & Objective Analysis In One Picture Frame:** Based on the Hartman 3-D



Soft contact lens in saline



Lens analysis in graph format



Toric lens in Production mode



Scribe line analysis

Technology, a comprehensive contact lens measurement is performed quickly and accurately, and provided in one picture frame.

- **Scribe Line Process Analysis:** The axis of a toric contact lens can be measured relative to the contact lens' scribe line, or relative to the real prism on the contact lens, in order to determine whether the scribe was placed in the appropriate location.
- **Maintenance-Free:** With no moving parts, the VC 2000 is maintenance-free.
- **User-Friendly Interface:** Easy to operate WINDOWS environment.