

# LMiplus

Lens Measurement Instrument



OPTIKOS

Bringing innovative solutions into focus



286 Cardinal Medeiros Avenue Cambridge, MA 02141 USA  
Telephone: 617 354 7557 Facsimile: 617 354 5946 Internet: www.optikos.com

The LMiplus is a high speed metrology instrument for measuring the radii of spherical and toroidal contact lenses and contact lens molds. Additionally, the LMiplus measures both the principal radii and axis angle on toric parts. The LMiplus technology has proven its reliability and accuracy with the world leaders in contact lens manufacturing. No other device matches the repeatability, accuracy, and speed of the LMiplus.

The LMiplus operates under Windows 95, 98, and NT operating systems. An OLE interface provides a library of LMiplus functions that can be accessed by a variety of OLE client applications such as Microsoft Word or Excel, or programs created using tools such as Microsoft Visual Basic. This capability provides with the user the ability to create custom interfaces for the LMiplus that can collect, manipulate, and record measurement data, satisfying the most demanding production floor control applications.

The LMiplus software is year 2000 compliant



## Performance Specifications

### Radius of curvature

Measurement Range:	6-25 mm concave 6-25 mm convex
Accuracy:	<0.003mm
Precision:	<0.001mm
Speed	3 sec. (Fast scan)

### Center thickness

Measurement range:	0.1 mm - 6 mm
Accuracy:	<.002 mm
Speed:	3 sec.
Repeatability:	<0.0005 mm

### Part astigmatism

Accuracy of radius:	<0.003 mm
Accuracy of angle:	<1 degree
Repeatability of radius	<0.001mm
Repeatability of angle	<1 degree

### Software - Hardware

Operating system	Win 95, 98, NT 4.0
System includes network ready PC and LMI unit	
Customizable for easy object-oriented programming	
Custom fixtures can extend measurement range	

