

LMiplus

Lens Measurement Instrument

OPTIKOS

Bringing innovative solutions into focus



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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	

R. Smith
SAT. 320
Lens

