OAKLAND
INSTRUMENT CORPORATION

Feature / Benefit:	Model LG-16	Model LG-22	Model LG-32
Operating Mode: Multilayer Thickness Measurement of Coex Plastics	X	X	X
Optical Measurement Technique: Interferometer, R.I. Method	X	X	X
Manual Sample Handling	X		
Automatic Profile Sample Handling		X	X
Programmable Number of Measuring Points and Distance between Points	X	X	X
Minimum Number of Layers Measured: 1 - 16	X	X	X
Maximum Number of Layers Measured: Unlimited		X	X
Maximum Total Thickness Range:	15 mil	25 mil	25 mil
Minimum Layer Thickness Detected: 2 micron (0.08 mil)	X	X	X
Drive Mechanism:			
None	X		
Fixed Infeed Tension w/ Weighted Disk		X	
Adjustable Infeed Tension, Potentiometer Controlled			X
Vacuum Holddown of Sample (optional)	X		X
Shallow Measurement Dome	X		
Mid-height Measurement Dome (standard)		X	X
Shallow or Mid-height Measurement Dome (customer selection)			X
Guide Rollers, either side of Sensor		X	X
Fixed Position Guide Rollers		X	
Adjustable (Height) Position Guide Rollers			X
Sample Roller Movement Guided by Software-controlled			
Brake Tension and Speed			X
Unwind & Rewind Rollers for Convenient Sample Handling			X

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Calibration: Software-driven Calibration Procedure	X	X	X
Software Features:			
Software Reporting includes Thickness Profile Graph, Tolerance Graph, Numerical Data Report	X	X	X
Layer Parameter Entry: Number of Layers, Layer Name, Pre-defined R.I. Values for Polymers, Nominal Thickness	X	X	X
Profile Parameter Entry: Thickness Range, Scans in Point, Gauge Length, Location Spacing	X	X	X
Notes Field	X	X	X
Measurement Units: English, SI Units; switchable	X	X	X
Profile Parameter Entry: adds Number of Points, Point Spacing		X	
Profile Parameter Entry: adds Number of Points, Point Spacing, Tension Force			X
Profile Parameter Entry: adds First Location, Number of Locations			X
Layer Table adds Search Type, Search Window, TOL, Minimum Intensity		X	X

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Advanced Software Features:			
Retry Spacing, Number of Retries, Noise Level		X	X
Filter (off, medium, heavy)		X	X
Auto Noise (low, medium, high)		X	X
Peak Width (narrow, medium, wide)		X	X
First Peak (any, medium, high)		X	X
Matt Surface (off, on)		X	X
Adaptive Window (off, on)		X	X
Adaptive Length (1 – 100%)		X	X
Automatic Report Printing		X	X
Custom Reports (2 available, via. pulldowns)		X	X