

## AL-900

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# AUTOMATIC LENSMETER

Available in the UK through Grafton Optical

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01923 233980



# AL-900

## FULLY AUTOMATIC, ACCURATE & HIGH SPEED

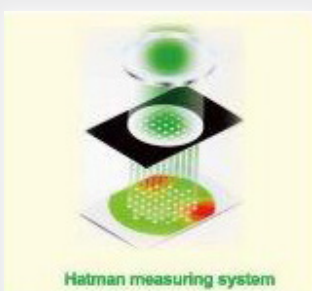
- Automatic recognition of single and progressive lenses
- Hartmann testing method with high speed precise processing
- Green LED light source – no need for ABBE compensation
- Automatic identification of lens type and automatic measurement and data saving
- 5.7" high resolution LCD screen
- Increased functionality, reliable performance, simple and intuitive operation
- With PD measurement, build in printer and UV feature
- High quality components and workmanship



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## FEATURES

- Easy measurement of tinted and polarised lenses
- Low power sunglass lenses can be measured ( $\pm 0.12$  inside)
- ABBE compensation not required
- High astigmatism power lenses can be measured
- Bifocal and trifocal lenses can be measured and the centre located simply and easily
- Progressive lenses can be measured with high precision; between long distance and near distance, manual measuring and auto measuring
- Scratched lenses can be easily measured
- Real UV measurement (can measure the midway penetrating value)
- Wide measuring range ( $\pm 35.00$ , error  $\pm 0.25$  inside of)
- RDD and ADD measurement
- Auto identify lens type
- Connect with computer to auto transmit data



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## SPECIFICATIONS

<b>Measuring range</b>	
Sphere	0 to $\pm 35D$ (0.01D, 0.06D, 0.12D, 0.25D steps)
Cylinder	0 to $\pm 10D$ (0.01D, 0.06D, 0.12D, 0.25D steps)
Axis	0-180° (1° steps)
ADD	0 to 10D (0.01D, 0.06D, 0.12D, 0.25D steps)
Prism	0-15 $\Delta$ (0.01 $\Delta$ steps)
<b>Mode</b>	
Cylinder	+, +/-, -
Prism	X-Y: Cartesian Coordinates H:I, O. V: U,D
	P-B: Polar Coordinates
	mm: mm expression
Reading resolving power	0.01D, 0.06D, 0.12D, 0.25D
Contact lens	0 to $\pm 25D$ , BC 6.00 to 9.00
Measuring mode	Single vision lens/ bifocal lens/ trifocal lens/ progressive lens/ contact lens
<b>Other</b>	
Lens diameter	$\varnothing 20$ to $\varnothing 100$
PD	40 to 90mm (0.5mm steps)
UV transmissivity test	
Measureable transmissivity	>10%; >20% at $\pm 10D$ and over
Display	TFT LCD (5.7")
Printer	Built in thermal print
Thermosensitive paper size	57mm
Product size	210(L) x 190(W) x 420(H)
Net weight	4kgs
Power	AC220V/ 50HZ; AC110V/ 60HZ, 40VA

### Grafton Optical Company Limited

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