LUXVISION®
PRECISION INSTRUMENTS

LENSMETERS

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LENSMETER LM 190 / LM 200

This device is suitable for measurement detection departments, processing factories, sales departments of ophthalmology in hospitals and optical element factories, providing spectacular results. It assays spherical lens diopter of ophtalmic lens or lens cylindric lens, diopter, stigmatism axis of cylindric lens, diopter of prism and diopter of cornea-contact lens.

1. Eyepiece system

Equipped with a spiral focusing unit whit a range of focusing of ±5D so as to suit various eyesights.

2. Lens pressing unit

With this unit, three plastic feet with springs are used to press lenses carefully without damaging the surface.

3. Lens pushing unit

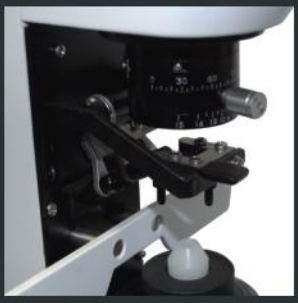
The unit is used to fix the lens position.

4. Printing unit

Three identical point-making pens are connected in line.

5. Instrument's inclination regulating handle

It allows the operator to regulate inclination of instrument so that he is able to wotk at a comfortable posture.



LM 190 I LM 200 I LM 220 I LM 240 I LM 300 I LM 400

1. Eyepiece system

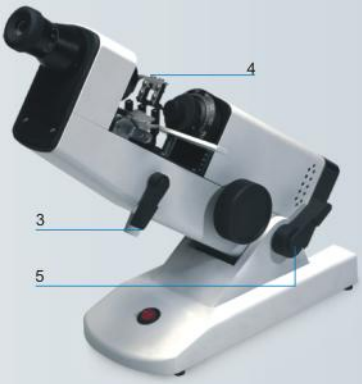
2. Lens pressing unit

3. Lens pushing unit

4. Printing unit

5. Instrument's inclination regulating handle

Manual Lensmeter LM - 190
(External Reading)



Manual Lensmeter LM - 200
(Internall reading)

Both equipment available with
PRISM COMPENSATOR

LM 190P - LM 200P

A prism compensator is useful when dealing with a prismatic lens from 5Δ prism diopter. There are 2 scale lines on the prism compensator. The upper lines of the prism shows the angle (from 0 to 180 degrees), and the lower line shows the prism diopter.
Its range is 15 ~0~ 15.

LENSMETER LM 220 / LM 240

This device is suitable for measurement detection departments, processing factories, sales departments of ophthalmology in hospitals and optical element factories, providing spectacular results. It assays spherical lens diopter, astigmatism axis of cylindric lens, diopter of prism and of contact lens, etc.

1. Eyepiece system

Equipped with a spiral focusing unit whit a range of focusing of ±5D so as to suit various eyesights.

2. Lens pressing unit

Whit this unit, three plastic feet with springs are used to press lenses carefully without damaging the surface.

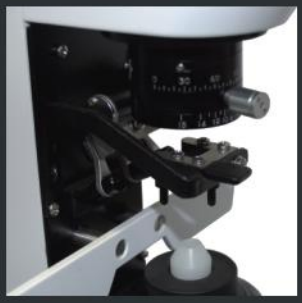
3. Measuring bearing seat

4. Astigmatism axis measuring handwheel

To measure and fix the angle of astigmatism axis of the cylindrical lens and base angle of the prism lens.

5. Printing mechanism

Three identical point-making pens are connected in line.



1. Eyepiece system

2. Lens pressing unit

3. Measuring bearing seat

4. Astigmatism axis measuring hand-wheel

5. Printing mechanism

Lensmeter LM - 220
(External Reading)

Lensmeter LM - 240
(Internal Reading)

Both equipment available with
PRISM COMPENSATOR

LM 220P - LM 240P

A prism compensator is useful when dealing with a prismatic lens from 5Δ prism diopter. There are 2 scale lines on the prism compensator. The upper lines of the prism shows the angle (from 0 to 180 degrees), and the lower line shows the prism diopter.
Its range is 15 ~0~ 15.

LENSMETER LM 300

Lensmeter of digital reading LCD, lighting LED of low consumes and long life.
Great Angle of observation.
Spherical -25~+25 D.
Bicylindric -9.99~ +9.99 D.
Steps of measurement 0.01 D, 0.06D, 0.12 D, 0.25 D.
Axis of Astigmatism 0~180.
Size of lenses to measure 16-80 mm.
Power 1.5 W. Weight 4.9 Kg.

1. Eyepiece
2. Prism Compensator
3. Lens Pressing Mechanism
4. Measurement Bearing Seat
5. Astigmatism Turning Hand-Wheel
6. Lens Pushing Board
7. Diameter Indication Measuring Scale
8. Inclining Angle Adjusting Handle of Device
9. Power Supply Socket
10. Dot-Making Mechanism
11. Inkpad Box
12. Lens Pushing Hand Lever
13. Diopter Measuring Hand-wheel
14. Liquid Crystal Display Screen

Lensmeter LM - 300
(Digital Reading)

LENSMETER LM 400

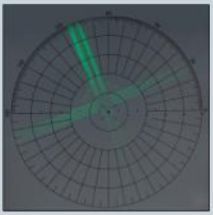
Optic, machine and microelectronic integrated technologies are adopted in this lensmeter, where blue liquid crystal display and large and large screen obsevation are available, thus to archive stable and precise measuring result and allow easy and quick printing of data, proven to be ideal device for optometry.

1. Projection screen
2. Liquid crystal diplay screen
3. Drone adjusting screw
4. Prism compensator
5. Lens pushing board
6. Measurement bearing seat
7. Astigmatism rotating disc
8. Lens pushing hand lever
9. Diameter indication measuring scale

AUTOMATIC PRINTER

The data can be print easily with the automatic printer included.

Lensmeter LM - 400
(Digital Reading)



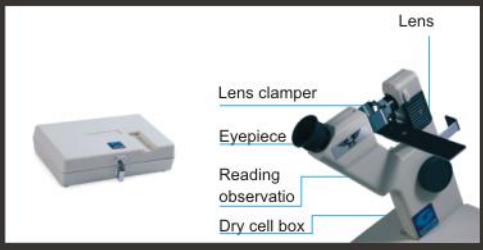
PORTABLE LENSMETER LM - 45

Lens Inspection Instrument

- Exquisite exterior shape, advanced mechanical features
- AC DC dual-purpose power source, it has its own way at any time or at any place
- Portable, desk-type dual-purpose

Characteristics

• Dimensions:	L 300 X W 170 X H 70mm
• Power Requirement	110V 60Hz/220V 50Hz AC 30W
• Weight:	1Kg



LM 190 / 200 - Specifications

Ranges of diopter measurement:	0 ~ ±25D	Prism base angle:	0 ~ 180º
Minimum scale value:	0.125D at 0 ~ ±5D 0.25D at ±5D ~ ±25D	Minimum scale value:	5º
		Regulation of ocular visibility:	±5D
Astigmatism axis of cylindric lens:	0 ~ 180º	Size of lens:	Φ-16mm/-0.63 ~ Φ80mm/3.15in
Minimum scale value:	5º	Overall dimensions of device:	275x130x455mm/10.82x5.12x18in
Prism diopter of pattern A:	At 1Δ interval in the range of 0~5Δ	Weight:	5.6 Kg / 12.32 Lb
Prism diopter of pattern B:	at 1Δ interval in the range of 0~20Δ	Light lamp:	220V 15W 110V 15W

LM 220 / 240 - Specifications

Ranges of diopter measurement:	0 ~ ±25D	Prism base angle:	0 ~ 180º - Minimum scale value 1º 180 ~ 360º - Minimum scale value 5º
Minimum:	0.125D graduation up 0 to ±5D and 0.25D graduations over ±5D to ±25D	Eyepiece adjustment:	±5D
Cylinder axis range:	0 ~ 180º step 1º	Dimension of objective lens:	Φ-16mm/-0.63 ~ Φ80mm/3.15in
Prismatic power range:	Prism diopter of pattern A: 0.5Δ prism diopters, 1Δ graduations. Prism diopter of pattern B: (with prism compensation device) 0-20Δ prism diopters, 1Δ graduations.	Overall size:	226x150x390mm/8.9x5.9x15.35in
		Weight	Pattern A: 4.2 Kg / 9.70 Lb Pattern B (with prism compensation device): 4.3 Kg / 9.46 Lb
		Lighting bulb	220V/110V - 15W

LM 300 - Specifications

Range of measurement:		Overall dimensions:	320mm(L) x 150mm(W) x 450mm(H)
Spherical lens: Cylindrical lens:	-25D ~ +25D -9,99D ~ +9.99D	Weight:	Model A 4.9kg Model B 5 kg
Space of readings:	0.01D, 0.06D, 0.12D, 0.25D	Lamp of illumination:	Φ5 super-lighting LED
Astigmatism axis angle of cylindrical lens:	0 ~ 180º space of readings: 1º	Voltage:	DC 6V/300mA
		Power:	1.5W
Prism degree:	Model A 0 ~ 5Δ space of readings: 1Δ Model B 0 ~ 20Δ space of readings: 1Δ	Temperature:	-10ºC ~ +50ºC (in operation) -20ºC ~ +60°C (in storage/during transport)
Prism basal angle:	0 ~ 180° space of readings: 1° 180º ~ 360º space of readings: 5°	Humidity:	30 ~ 75% (in operation) 10 ~ 85% (in storage/during transport)
Range of ocular visibility adjustment:	-5D ~ +5D		
Size of measured lens:	Φ16 ~ Φ80mm		

LM 400 - Specifications

Range of diopter measurement:	0 ~ ±25D	Lamp of illumination:	12V, 20W, helogen lamp
Space of readings:	0.01D, 0.06D, 0.12D, 0.25D	Voltage:	110V or 220V, 50Hz
Astigmatism axis of cylindrical lens:	0 ~ 180º space of readings: 1º	Power:	35W
		Overall dimensions:	295mm(L) x 205mm(W) x 455mm(H)
Prism degree:	Model A 0 ~ 5Δ space of readings: 0.5Δ Model B 0 ~ 20Δ space of readings: 0 ~ 5Δ: 0.5Δ; 5 ~ 20Δ: 1Δ	Weight:	10Kg
		Temperature:	5ºC ~ 45ºC (in operation) -10ºC ~ 60°C (in storage/during
Prism basal angle:	0 ~ 180° space of readings: 1° 180º ~ 360º space of readings: 5°	Humidity:	transport) 30 ~ 75% (in operation) 10 ~ 85% (in storage/during transport)
Size of measured lens:	Φ16 ~ Φ100mm		

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