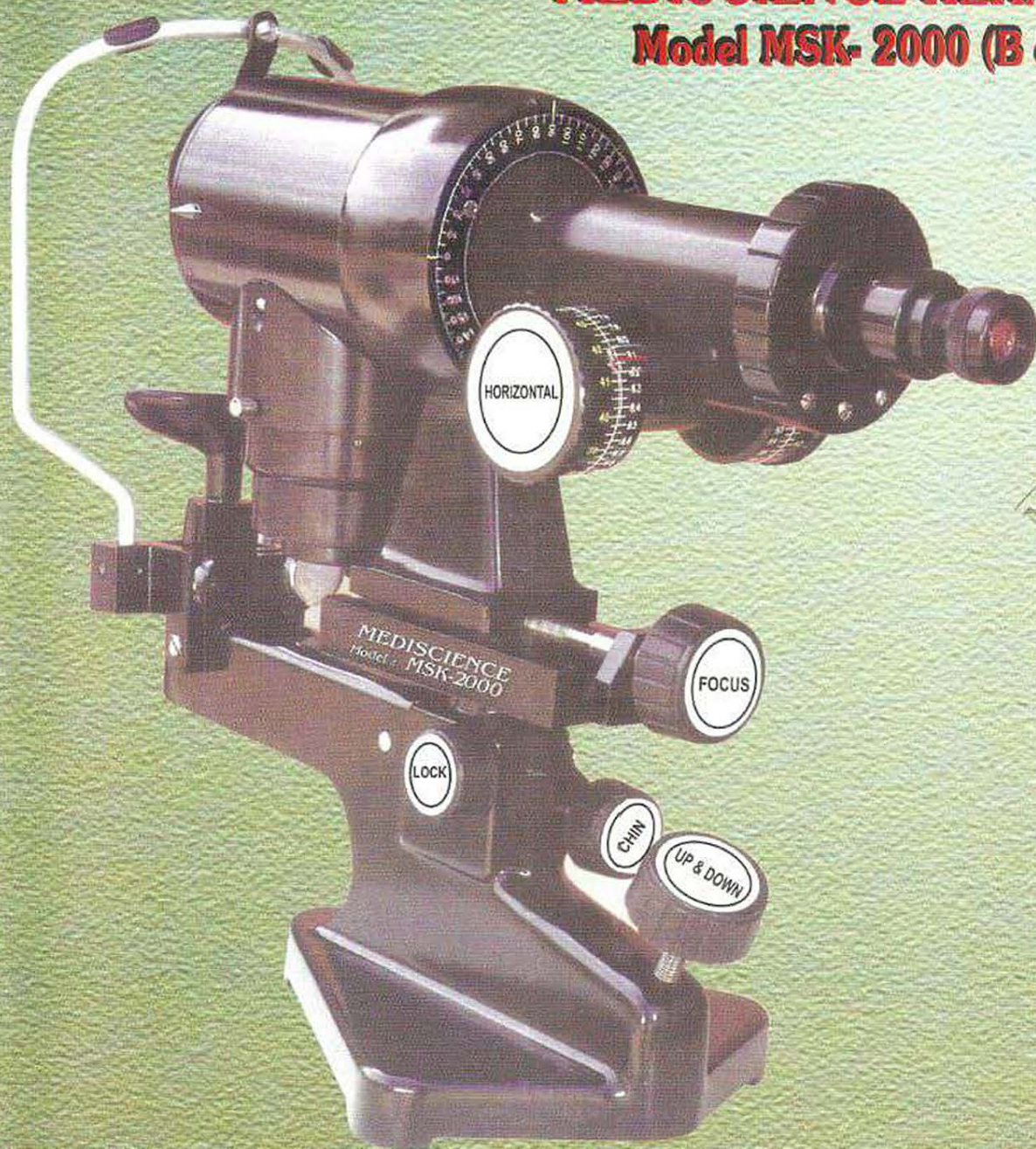


# MEDISCIENCE KERATOMETER

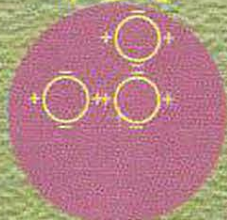
## Model MSK- 2000 (B & L Type)



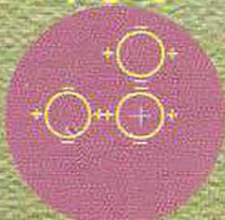
**Fig.-1**



**Fig.-2**



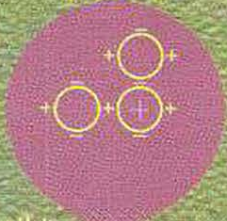
**Fig.-3**



**Fig.**

- 1) Adjust Focus Knob.
- 2) Cross Hair out of Focusing Mire.
- 3) Adjust up/down Knob to put Cross Hair inside the Focusing Mire.
- 4) Adjusted Horizontal & Vertical Knob to Read.
- 5) Adjust Cyl. Axis, by Rotating the Measuring Unit.

**Fig.-4**



**Fig.-5**



**KERATOMETER WITH JOYSTICK, HEAD & CHIN REST**



# MEDISCIENCE KERATOMETER Model : MSK-2000 (B & L Type)

Out standing performance in operation by means of double external reading, sturdy metal caste base, all smooth rotating adjustment knobs, with portable design & Imported Optics gives it full play to the ophthalmic diagnosis and contact lens Prescription.

## FEATURES :

- Pinion & Rack systems (which makes the machine portable) can be moved back and forth quite easily, so that the sharpest focus can be obtained quickly.  
(Also available with table top, Joy stick, chain and head rest type for easy manoeuvre (Model-MSK-2000J) on special order).
- Precise measurement of corneal radius of curvature, concel refractive power and Axis of Corneal astigmatism in no time.
- Illumination using 220V / 15W locally available tungsten bulb, eliminating the complication of regulated power supply.
- Because of its Japanese Optics and precise design MSK-2000 is the most preferred Keratometer amongst Ophthalmic surgeons and Contact Lens Practitioners.

## SPECIFICATIONS

TYPE : Sutcliff type (Bousch & Lomb Model)

## MAGNIFICATIONS (With all Imported Optics)

Objective : 1.28X, Eye Piece : 15X, Total Magnification : 19.1X

## MEASURING SCALE

Corneal Radius of curvature : 6.5mm-9.5mm (In 0.05 mm steps)  
Corneal Refractive Power : 36D - 52D (In 0.25 steps)  
Axis of Corneal astigmatism : 0 - 180 degree (In steps of 5 Degree)  
Reading Scale : External rotating Drum (Vertical & Horizontal Knob)

## ILLUMINATION UNIT

Power supply : 220V A.C. Illumination : High intensity LED

Colour Finish : Black (Mat / Glossy Finish) ; White on Request.

Warranty : Two Years against any manufacturing defect except Bulb

## HOW TO USE : MSK-2000

- Adjust view finding Eye piece by rotating till the black Cross hair Target becomes sharp.. (This may vary operator to Operator)
- Switch on, MSK-2000, Fixate the Patient and adjust the unit in such a (by moving back & forth) way that the sharp reflection from the cornea of Patient is Clearly Visible from Outside (When the operator watches side way at same height from the front).
- Look through the Eyepiece, the images of the target mires may be blurred or overlapping (fig.-1). These can be perfected into three sharp mires (Fig.-2) by adjusting FOCUS Knob. By Swivelling the Instrument and adjusting the UP/DOWN Knob, the black cross hair mark may be put in the centre of middle mire (Fig.-3), Called **FOCUSING Mire**. LOCK the instrument to measure Corneal surface.
- Rotate HORIZONTAL Knob, the + Sign will move horizontally towards Focusing mire till it merges over + sign close to Focusing mire. Similarly adjust the VERTICAL Knob, the (-) sign will move vertically towards Focusing mire till it merges over (-) sign close to Focusing mire (Fig.-4). Read the scale provided over HORIZONTAL & VERTICAL Knob, which reads both, Curvature in mm. and Corneal refractive power in Diopters.
- Sometimes the mires are focused but the (+) & (-) signs are not Coincided, this is because of inclined cylinder Axis. Hence, the Cyl. Axis should be corrected/detected by tilting it in a particular Axis (Fig.-5)

Note : **MEDISCIENCE SERVICES** (A division of MEDISCIENCE DEVICES), undertakes Service & A.M.C. of all Ophthalmic Equipment, such as of Slit Lamps, Keratometers, Synoptophore, Microscopes, Lens Meters, A-Scans ; Refractometers, Ophthalmoscopes, Retinoscopes, Indirects etc. on Request.



# MEDISCIENCE DEVICES

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For improvement, design & specifications are subject to change, without notice