



SALIENT FEATURE:

Elegant look with award winning design, latest software with attractive features are the prime attractions of New Mars Medica Auto Refractometers & Autorefractometer.

21st century image processing algorithm with unique Japanese ARM processor provide most accurate and fast measurement.

Tilttable 5.7 inch hi-resolution color LCD display, allows the operator to access the machine in standing position, to guide the patient.

On-Screen display of 10 measurements per Eye with PD & Average data for subjective test.

Accurate & wide measurement range with Auto, Manual & IOL mode of operation.

Provides corneal curvature both in mm as well as in Diopter (Only in MAR-800K)

Cornea & pupil size measurement in mm, through on-screen cursor adjustment.

Faster & accurate reading with wider measuring area within small pupil.

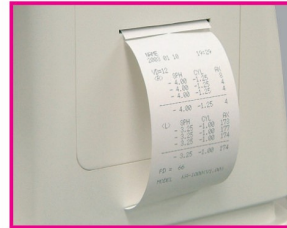
BMM: Burst Measurement Mode : (3 readings in one shot)

The all new Mars Medica Autorefractometer & Autorefractometer is a design wonder with excellent useful features. The smooth, Mechanical maintenance free joystick with tiltable display makes the machine much faster to complete the testing in case of non-cooperative patients. Hi-resolution **tiltable LCD Monitor** helps the user to use the machine both in sitting as well as standing posture without affecting the resolution of display visualization.

Mars Medica, a trusted name in the field of ophthalmology & Optometry has a long proven track-record of its strong presence in India as well as international market. Mars Medica, the only OEM brand having 100% technical support base, in India in collaboration with NMORDC LTD., PRC.



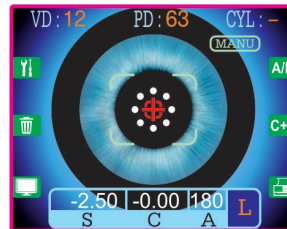
Scientifically designed (bright colored scenic picture) fixation target & innovative Japanese optical path system with advanced auto-fogging technology provides more precise measurement, against accommodation.



Reliable & fast thermal printer with easy paper loading features, provides hard-copy of measured data with different forms of print formats as selected by the operator.



Easy single key (Lock/Unlock) knob, to prevent un-wanted movement over base during intermittent use. Smooth, Mechanical maintenance free joystick makes the machine most user friendly.



Clear & hi-resolution tiltable 5.7 inch color LCD monitor showing the cornea tracking movement with bright & eye-soothing colorful display of icons for easy identifications & use.

TECHNICAL SPECIFICATION OF AUTOREFRACTOMETER - MAR-800/MAR-800K

Refractive Measuring Range	Sph: $\pm 28D$ / Cyl : $\pm 10D$ (0.12D or 0.25D step) Axis: 1 \sim 180 degree(1 degree step)
Keratometry Measuring Range (strictly with Autorefractometer: MAR-800K)	Radius of corneal curvature: 5.0 \sim 10mm(0.01mm step) Corneal Refraction: 30.00D \sim 67.00D(0.12D/0.25D step) (n=1.3375) Corneal Astigmatism: 0 \sim 15.00D (0.12D/0.25D step)/Axis: 1 \sim 180. Measurement Area: 3.16mm (R=7.7 mm) Corneal Size measurement: 2mm to 12mm
Measurement Mode	Auto-Quick-3 / Manual / IOL (selectable from Monitor)
Mode of operation	REF /KER / R&K / IOL mode (As selected)
Vertex Distance	0,12,13.5 or 15 mm (selectable)
Min. Measurable Pupil Diameter	\varnothing 2.00 mm
Measurable Distance PD	30 \sim 85 mm(1 mm step), Automatic
Measurable cornea, IRIS & Pupil size	2.00mm \sim 12.00 mm by adjusting the cursor over displayed image.
Fixation Target	Scientifically designed auto-fogged scenic picture
Printer	Fast thermal printer with easy load facility
Internal Monitor Display	5.7inch hi-resolution tiltable color LCD monitor ,
Shifting Range	Back & forth : ± 19 mm, right & left : ± 44 mm, UP & DN : ± 19 mm, Chinrest : ± 30 mm Chinrest Movement
Power Saving Function	OFF /5 min or 15 min(selectable)
Data Transmission	RS-232C interface (For Auto Phoropter)
Power source / Consumption	110 \sim 240V AC. 50 \sim 60Hz /60 VA
Dimensions	288(W) X 500(D) X 480(H) mm
Net wt. / Gross wt	14 Kg / 19 Kg
Standard Accessories	Dust Cover, Power Cord, Pair of Paper Roll, Model Eye, user manual
Optional Accessory:	Motorized Table, Interface cable, Auto Phoropter.



Tiltable colour LCD monitor, helps the user to have single handed easy access of patient head as well as display to operate the machine smoothly.



OPTIONAL

Motorised Table (optional)
Elegant look, smooth movement Motorised table (MMT-100) for Refractometer & other Ophthalmic equipments. Also available heavy duty motorised table (MMDT-200) large top with drawer for trial set.

Manufactured for Mars Medica ophthalmic by NMORDC LTD., PRC.