



## About Us

GCMED CORP. is a licensed and duly registered Corporation engaged in the marketing and distribution of highly technical medical products. It is wholly owned Filipino Distributing Corporation whose vision is to provide affordable and quality products and supply that would certainly be of assistance to the pharmaceutical needs of the nation and also engage in diagnostic laboratory equipment.

## Contact Us



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# CHEMISTRY ANALYZER MERILYZER 200iv2



# Merilyzer 200iv2

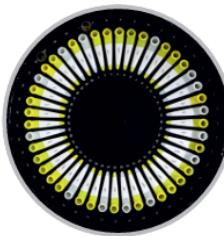
## Chemistry Analyzer

Fully Auto Random Access Analyzer with throughput of 200 tests per hour. Its unique model with inbuilt laundry & with cooling facility for Reagents makes its ideal for medium sized laboratory & as a back up for bigger laboratories. Its intuitive software & feature of user defined reflex action makes it a user friendly Fully Automatic Analyzer.

## Reagents

### Reagent & Sample Tray

- 45 refrigerated reagent positions & 45 sampling position
- Reagent & Sample positions are bar code enabled
- Detachable Reagent Tray
- Peltier based cooling system to maintain temperature between 8 to 12°C
- 20 ml Reagent bottles with dead volume of 750 µl
- Primary tubes size (12 mm x 75 mm) & samples cups can be used
- Continuous loading
- STAT/Controls/Calibrators can be placed at any position



### Sample, Reagent Probe & Stirrer

- Hydrophobic probes which prevents cross contamination
- Capacitive level detection
- Vertical and horizontal obstruction detection facility to prevent probe crash
- Long life pipetting system with plunger driven by precise stepper motor
- Single micro coated stirrer

### Reaction & Optical System Unit

- 60 discrete, dismountable, easily replaceable and reusable cuvettes with 6 mm optical path
- COP material which ensures high transmittance with long life
- 7-step on board washing
- Cuvettes carry over <1%
- Probe carry over <3%
- Continuous cuvette blank checking, if blank exceeds the limit, cuvette is skipped
- Low water consumption of 5 to 6 litres
- Halogen Tungsten lamp, with fibre optics
- Silicon photo-diode detector
- Photometric system of static filters with total 9 filters (340, 405, 450, 510, 546, 578, 620, 670, 700 nm)



## Specifications

<b>Throughput ISE (Optional)</b>	200 Tests / hour 300 Test / hour
<b>System Functions</b>	End Point, Fixed Time (2-point), Kinetic/Rate Colorimetry, Turbidimetry, Single and Double reagent, Multi standard, Mono and Bi – Chromatic
<b>Sample / Reagent handling</b>	Sample volume 2 - 50 µl 0.1 µl step Sample dilution 2 to 40 times Sample position 45 for cup/tube Reagent position 45 for R1 and R2 Reagent volume Reagent 1: 180-350 µl (Adjustable in 1 µl step) Reagent 2: 0 or 10-350 µl (Adjustable in 1 µl step)
<b>Reaction System</b>	Reaction cuvette 60 (Dismountable) Cuvette washing On board laundry with 7 step washing system Water consumption 5 - 6 litres / hour Optical length of cuvette 6 mm Reaction volume 180 - 550 µl Reaction time 30 to 600 sec (Depending on the designated cycle time and number of reagents) Reaction temperature 37 ± 0.2°C
<b>Optical System</b>	Photometry Light source Halogen Tungsten lamp Wavelength Total 9 filters (340, 405, 450, 510, 546, 578, 620, 670, 700 nm) Absorbance range 0 - 3.0 Abs Resolution 0.0001 Abs
<b>Calibration</b>	K-Factor, Linear (one, two and multi point), Logit-log, Spline, Exponential, Polynomial (second, third and fourth order) Calibration points Multipoint curves for up to 6 points execution by repeat run list or auto execution Auto re-run Auto execution according to abnormal marking or range over
<b>Data Storage</b>	Test results: Unlimited tests Reaction curve: Unlimited tests Profiles: 12 Within day as well as day-to-day X and X-R control diagram (L-J Graph)
<b>Quality Control</b>	Real time quality control based on Multi-rule method mean, SD, %CV, R is calculated for all parameters for sample replicates
<b>Working Conditions</b>	Power supply 100-240 VAC, 50/60 Hz (Max. Power 250 W) Temperature 15°C - 30°C variation during operation Humidity 40% - 80% free from water dew formation
<b>Operation System</b>	Windows XP, Windows 2007, Window 8, Windows 10 or Windows 10 IOT
<b>Input and Output</b>	RS 232 interface/computer Output Multi Format Printout
<b>Dimensions</b>	736 mm (L) x 553 mm (W) x 432 mm (H)
<b>Weight</b>	Approx. 46 kgs

