



**Yumizen**  
CA60

## TECHNICAL SPECIFICATIONS

### OPTICAL SYSTEMS

- Range of Measurement : - 0.2 to 3.5 A all Wavelengths
- Wavelengths : 340, 405, 505, 535, 560, 600, 635, 670 nm
- Bandwidth : 10 nm ± 2 nm
- Light Source : LEDs
- Settings : Monochromatic and Bi-chromatic
- Measurement Accuracy : CV ≤ 1% at 0.1 A  
CV ≤ 0.1% at 2 A

### FLOW CUVETTE

- Cuvette : Quartz
- Volume : 18 µl
- Removable Cuvette : Macro, Semi-micro & Micro  
Round tubes (12 mm diameter)

### FLUIDIC SYSTEM

- Aspiration Volume : 100 µl to 5000 µl
- Peristaltic Pump : Continuous flow system
- Operation Type : Stepper Motor
- Nominal Flow : 10 mL/min

### THERMOSTAT SYSTEM

- Thermostatisation Range : 25° C to 37° C
- Temperature Accuracy : ± 0.5° C
- Temperature stability : ± 0.2° C in 30 minutes

### METHODS OF CALCULATION

- Absorbance
- End Point
- Kinetic
- Differential Mode
- Fixed Time

### CALIBRATION

- Factor
- Calibrator
- Calibration Curve

### CALIBRATION CURVE

- Up to 8 Calibration Points
- Up to 3 Replicates per Point
- Axis: Linear and Log
- Calculation Functions: Spline, Linear Regression, Quadratic Regression, Polygonal

### QUALITY CONTROL

- 2 Controls per Test
- Levey-Jennings Control Chart
- Westgard's Rules

### PROGRAMMING

- All Yumizen CR pre-programmed Biochemistry & Turbidimetric tests
- Multiple user programs
- More than 100,000 patients results storage
- Quality control storage of the last results

### PROCESSING & CONNECTIVITY

- CPU : H6 Quad-core 64-bit 1.8GHZ ARM Cortex™-A53
- Memory + Onboard Storage : 1GB LPDDR3 (shared with GPU) +8GB EMMC Flash
- USB 3.0 Ports : 2 x USB 3.0 Host
- Onboard Network : 10/100M/1000M, Ethernet RJ45

### PRINTER AND SCREEN

- Thermal printer
- Screen : 7" Touch Colored LCD

### POWER CONSUMPTION

- Measurement : 5 W
- Standby : 2 W

### EXTERNAL POWER SUPPLY

- Voltage : 100V-240 V
- Frequency : 50/60 Hz
- Output Power : 30 W
- Output Voltage : 15 V

### PHYSICAL SPECIFICATIONS

- Operating Temperature : 10-35 °C
- Max Rel humidity : 85 %
- System Dimensions (HxWxD) : 180 x 245 x 438 mm
- System Weight : 4.290 kg

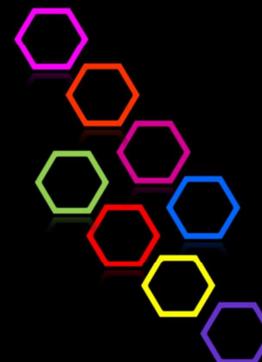
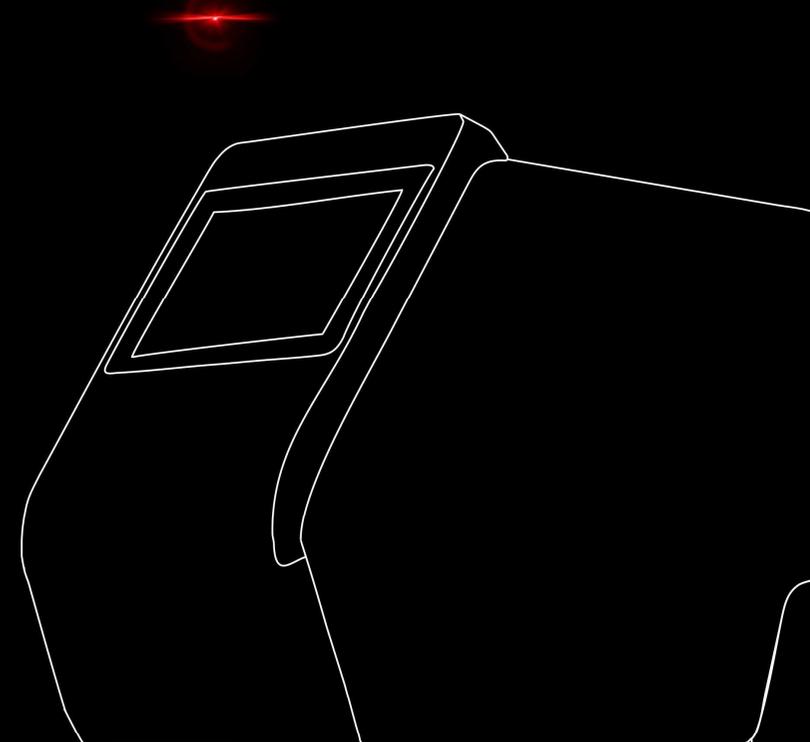


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Medical

“Choose the Future”



**Yumizen**  
CA60

Explore the future

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A COMPACT  
**SEMI AUTOMATIC** ANALYZER.

**Yumizen**  
CA60

INDIA'S 1<sup>ST</sup> VOCD\* BASED ANALYZER  
DURABLE MALS# LIGHT SOURCE

- FULL RANGE LED'S
- 7" TOUCH COLORED LCD
- NO FILTERS REQUIRED
- HUGE MEMORY SPACE

**MALS# Light Source:**

- A complete range of LEDs optimized for Biochemistry and Turbidimetric tests: 8 wavelengths. (340, 405, 505, 535, 560, 600, 635, 670 nm)
- No filters - Zero Maintenance hardware configuration.
- Accuracy, Extended life and Less power consumption.

**Advanced Flow Cytometry:**

- Quartz glass flow cuvette: Accurate & Error free results.
- 18 µL flow cuvette - lower reagent aspiration: Economical.
- Ease of testing : Use Flow Cuvette, Macro, Semi-micro or Micro Round tubes.

**Huge Memory Space :**

- Over 1 Lac results can be stored
- Maintains patient history with ease.



\*VERTICAL OVERLAY CONCEPT DESIGN  
# MULTI ARRAY LIGHT SYSTEM

YOUR COMPANION  
FOR **ROUTINE TO SPECIFIC**  
TESTING !



- QUARTZ FLOW CUVETTE
- LOWEST ASPIRATION 100 µL
- PRE- PROGRAMMED MENU
- EASE OF OPERATION

**Wide Test Menu:**

- Pre-programmed Biochemistry & Turbidimetric tests: Ready to use
- Multiple user programs can be stored.
- Separate QC File: Easy Quality Monitoring



**Secure & Easy Connectivity :**

- USB 3.0 : 2 ports – Easy data transfer
- Network :10/100M/1000M, Ethernet RJ45 – LIS ready

**User Friendly Interface:**

- 7" Touch Colored LCD
- Tile based menu configuration
- Easy to use
- Know results with the changing colours

