

# HA2

When speed and performance matter



## Key Features and Benefits

- **Accurate and Precise results**
  - Proven impedance measurement technology with advanced flagging algorithms
  - Clog detection and prevention with automatic system cleaning processes
  - Comprehensive 22 parameter CBC with 3 histograms
- **User friendly and easy to operate**
  - Easy to use high resolution touch screen
  - 4 USB ports allow simple connection with external devices
- **Operator safety**
  - Unique sample rotor that reduces the risk of biohazard exposure
  - Self-cleaning procedures minimize daily maintenance

# Specifications

## Measuring data

- Throughput - 80 tests/hour
- Parameters - 22 hematology parameters, including 3-part differential: WBC, LYM, MID, GRA, LYM%, MID%, GRA%, RBC, HCT, MCV, HGB, MCH, MCHC, PLT, PCT, MPV, P-LCC, P-LCR, RDW-CV, RDW-SD, PDW-CV, PDW-SD

## Measuring principle

- Volumetric impedance method
- Light absorbance for HGB measurement

## Reagents and Sampling System

### Samples

- Sample volume - 25 µl of whole blood in normal 3-part mode, 50 µl of pre-diluted blood
- Sampling method - Open tube system with automatic sample rotor
- Calibration - automatic or manual

### Reagents

- Environmentally friendly Diluent & Cleaner reagents and cyanide-free Lyse

## Quality control

- Separate QC database
- Levey-Jennings graphs

## Usage

- User interface - easy-to-use, menu driven with touch screen, separate START button and status LED
- User languages - English, Spanish, Portuguese, French, Russian, Indonesian, German, Italian

## Dimensions

- Size (Width x Depth x Height):  
32,0 cm x 26,0 cm x 36,5 cm  
12.6 in x 10.2 in x 14.4 in
- Weight: 12 kg, 26.4 lbs

## Measurement

- 2 counting chambers
- Aperture diameter - 70 µ (RBC/PLT) and 100 µ (WBC)
- Clog prevention - high-voltage burst on aperture in each analysis cycle and high pressure back-flush
- Cleaning procedure - high-voltage burst of the aperture, high-pressure back-flush, chemical cleaning of the apertures

## Technical features

- Data capacity - 10,000 results, including RBC, PLT, WBC 3-part histograms
- Host computer interface - USB B port
- Data back-up method - USB mass storage device
- Software upgrade method via USB A port using USB mass storage device
- Printer interface - USB with support for HP printers
- Built-in thermal printer module, 56 mm wide roll paper, full report with histograms
- Display 320x240 dots, high-contrast, backlit, color graphics LCD (liquid crystal display), with touch screen
- External keyboard, USB keyboard
- Power requirement - 12 VDC, 5A, 60W max. operating power
- Operating temperature - 15-30°C (59-86°F). Optimal temperature is 25°C (77°F)

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