

## Technical Specifications

<b>Parameters:</b>	18 hematology parameters, including 3-part differential: WBC, LYM, MON, GRA, LYM%, MON%, GRA%, RBC, HCT, MCV, RDW, HGB, MCH, MCHC, PLT, PCT, MPV, PDW
<b>Measuring principle:</b>	Impedance method
<b>Throughput:</b>	30 tests/hour
<b>Sample volume:</b>	25 µl of whole blood
<b>Sampling method:</b>	Open tube system with automatic sample rotor
<b>Sample profiles:</b>	Human (male, female, child, toddler, baby)
<b>Reagents:</b>	Isotonic Diluent, Lyse, Cleaner
<b>Calibration:</b>	automatic or manual calibration of WBC, HGB, RBC, PLT, MCV, RDW, MPV
<b>Quality Control:</b>	6 QC levels: 2 x 3 levels (L, N, H) of control QC parameters include mean, range, SD and CV for all measured and calculated parameters, Levey-Jennings charts of last 64 QC measurements
<b>User interface:</b>	Color TFT touch screen, with separate start button
<b>User languages:</b>	English, German, French, Spanish, Italian, Portuguese (More options can be added upon request)
<b>Software upgrade:</b>	USB memory stick
<b>Data storage capacity:</b>	Min. 1000 results, including RBC, PLT, WBC 3-part histograms and full patient data
<b>Printout:</b>	Built-in thermal printer (B/W, 57 mm wide paper) Printer interface: USB with support for HP printers
<b>External keyboard &amp; mouse:</b>	Via USB connection
<b>Bar code reader:</b>	Optional, with manual bar code scanner (not included) via USB port
<b>Interfacing capabilities:</b>	3 USB A on back, 1 USB A on front, 1 USB B for virtual RS232
<b>Multi-user mode:</b>	Various privileges, limited access, unique passwords
<b>Size (W x D x H):</b>	12.6 x 10.2 x 14.4 in (320 x 260 x 365 mm)
<b>Weight:</b>	12 kg
<b>Operating environment:</b>	Temperature: 15-35°C. Relative humidity: max 80% (non-condensing)

Full specifications are available on request or can be obtained from [www.diatron.com](http://www.diatron.com) (select "products").

## Reagents

The Diatron Hemaology System offers **optimum results**. Scientific studies show that **Diatron Hematology Analyzers work best with Diatron reagents**. All our reagents are manufactured to the highest quality standards, are **cyanide-free** & have **extended shelf life**.



Diatro-Lyse-Diff    Diatro Cleaner    Diatro Diluent

Diatron reserves the right to change any of the specifications without prior notice.

Your distributor:



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## Innovative Solutions in Hematology

# Abacus junior 30

## Abacus junior 30

Abacus junior 30 is a convenient and user friendly choice for clinics and practices thanks to its color touch screen, low weight and small size.



### High performance

Abacus junior 30 provides complete **18-parameter** hematology report with 3-part WBC differential, for various patient profiles in about **2 minutes** with no preparation time. All required functions can be accessed from an optimized user interface, enabling the operator to **work fast and efficiently**. The **4 USB** ports allow easy connection with external appliances. The instrument is **small and light**. Its compact dimensions make it ideal for practices and small to medium sized laboratories.



### Ease of use

Abacus junior 30 features a sophisticated but easy-to-use, **multilingual operating menu**. The **color touch screen** offers selectable multi-user modes, device statistics, icons and function keys. It also allows **rapid, accurate patient data entry** and monitoring of the test results, including 2 large histograms. Abacus Junior 30 is designed to be practically **maintenance-free**.



### Reliable and efficient

By utilizing **high precision electronic and mechanic components** coupled with innovative designs, precise and **reliable CBCs** are guaranteed even in the most demanding clinical environments. The motor-driven rotating primary tube holder **eliminates sampling error** and the hazard of touching the sampling needle. The instrument provides 6 level QC, L-J graphs and self-diagnostic functions to let you monitor **reliability and accuracy**.

