

## Technical Specifications of 'Abacus Junior VET' and 'Abacus Junior VET 5'

	Abacus Junior VET	Abacus Junior VET 5
<b>Sample volume:</b>	25 µl of whole blood	25/50 µl of whole blood in 3/5-part mode
<b>Measured parameters:</b>	18 parameters, including 3-part WBC differential: WBC, LYM, MID, GRA, LYM%, MID%, GRA%, RBC, HCT, MCV, RDW, HGB, MCH, MCHC, PLT, PCT, MPV, PDW	22 parameters, including 5-part WBC differential: WBC, LYM, MON, NEU, EOS, BAS, LYM%, MON%, NEU%, EOS%, BAS%, RBC, HCT, MCV, RDW, HGB, MCH, MCHC, PLT, PCT, MPV, PDW
<b>Reagents*:</b>	Isotonic Diluent, Lyse, Cleaner and Rinse	Isotonic Diluent, Lyse, Diff VET5, Cleaner and Rinse
<b>Throughput:</b>	22-28 tests/hour	22-28 tests/hour in 3-part mode 15-20 test/hour in 5-part mode
<b>Sampling method:</b>	Open tube system with automatic sample rotor	Open tube system with automatic sample rotor
<b>Sample profiles:</b>	Dog, Cat, Horse, Cattle, Pig, Mouse, Rat, Rabbit, Ferret, Chimp, Sheep, Goat and user-defined profiles	- in 5-part mode: Dog, Cat, Horse, Control blood - in 3-part mode: Dog, Cat, Horse, Cattle, Pig, Mouse, Rat, Rabbit, Ferret, Chimp, Sheep, Goat and user-defined profiles
<b>Built-in printer:</b>	Seiko "Easy Paper Operation" thermal printer, 56 mm wide roll paper (optional)	Seiko "Easy Paper Operation" thermal printer, 56 mm wide roll paper
<b>User interface:</b>	Easy-to-use, menu driven user interface with 6 software buttons (with icons), 6 hardware function buttons, cursor and numeric keys	Easy-to-use, menu driven user interface with 6 software buttons (with icons), 6 hardware function buttons, cursor and numeric keys
<b>Dimensions (WxDxH):</b>	320 × 260 × 365 mm	320 × 260 × 365 mm
<b>Net weight:</b>	12 kg	13 kg

\* Usage of original Diatron reagents is recommended

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

## About Diatron

Diatron specializes in the development, manufacturing and marketing of compact Hematology Analyzers for the human medical and veterinary market. Diatron instruments are used in over 70 countries on five continents and we continue to expand to new markets from our headquarters in Vienna, Budapest, Shanghai and Buenos Aires.

Our manufacturing facility utilizes an integrated technology system which ensures full control of the production process from the processing of raw materials to final packaging operations. Our dedicated manufacturing team monitors internal production quality and ensures that outsourced parts are manufactured to the highest standards. Diatron is an ISO-9001 certified manufacturer since 1998.

The special expertise of our engineers is one of our key assets. Our R&D strategy is to develop solutions in order to meet our customers' demands for products that bring the same quality, performance and reliability. All our instruments are simple to install, easy to upgrade and are user friendly. We are proud of the fact that our analyzers meet strict European and US certification criteria.

Based on market surveys and requirements from our distributors and end-users, we are continuously developing new products for the small to medium lab and point of care systems where our compact analyzers are ideally suited.

### Your distributor:



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



## Abacus Junior VET and Abacus Junior VET 5

Innovative solutions in Hematology





'Abacus Junior VET 5' represents the high-end of Diatron's Abacus Junior family for veterinary use. Both models, 'Abacus Junior VET 5' and 'Abacus Junior VET' offer an optimal solution for vet clinics and practices, which require high quality 3-part or 5-part WBC differential results.

Our VET analyzers bring the convenience and accuracy of the reference laboratory right into your practice, offering maximum value at low running costs.

## High performance

- Complete Hematology profiles for a wide range of species
- 'Abacus Junior Vet' offers complete 18-parameter results, 'Abacus Junior Vet 5' provides 22-parameter hematology reports in less than 3 minutes with no preparation time
- 'Abacus Junior VET 5' offers sophisticated profiles for 5-part analysis of dog, cat and horse samples, whereas cattle, pig, mouse, rat, rabbit, ferret, chimp, sheep and goat profiles deliver 3-part results. Abacus Junior Vet offers all the above mentioned profiles in 3part mode. Expanding 5part modes to further profiles is continuously under development

## Ease of use:

- An optimized user-friendly interface enables fast and efficient work
- The Large back-lit LCD allows accurate patient data entry and monitoring of results, and histograms
- The instrument features a logically constructed multilingual operating menu. 6-level QC, L-J graphs and self-diagnostic functions to let you monitor reliability and accuracy
- The large database allows storing patient information
- New features can be easily introduced by simple software upgrades
- Your patient data can be saved simply using a pen- or disc drive
- Both models can interface to your laboratory computer for further processing of the measured data. Results can also be retrieved on the built-in roll paper printer or on an external printer

## Reliable and efficient:

- Abacus Junior VET and Abacus Junior VET 5 are almost maintenance free resulting in minimal disruption of operation
- Diatron Vet analyzers are small and light. Their compact size makes the instruments ideal for use in veterinary practices requiring minimum desktop space
- Precise and reliable 3-part and 5-part veterinary hematology profiles are guaranteed even in the most demanding clinical environment by utilizing industry standard electronic and mechanic components

