zebris Medical GmbH

Animal Analysis Suite 2.10



Release Notes

Release Notes Animal Analysis Suite 2.10.x

describes included functions up to and including version 2.10.2.
Illustrations in these release notes may differ.

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Please always specify the serial number of the product when making inquiries!

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1 Foreword

1.1 Conventions and used symbolism

The following conventions are used in these Release Notes.
Warnings are marked as follows:



Warnings indicate a potential hazard to the health and safety of users and/or patients. The warnings explain the nature of the hazard and how it can be avoided.

Hints are marked as follows:



Hints indicate a potential hazard that can lead to damage or destruction of the product. The notes explain the type of hazard and how it can be avoided.



Notes that are relevant to the measurement procedure are marked in this way.

Note on changes
To ensure our product quality, we are constantly striving to further improve our product line. There may have been an update to the software or hardware configuration after this Release Notes went to press. Therefore, some of the illustrations may differ from what was actually delivered to you.



Please note that a new version of this Release Notes does not appear with every software release, as technical changes that are not visible to the user are often made in releases. The latest version of the manual is available from your dealer.

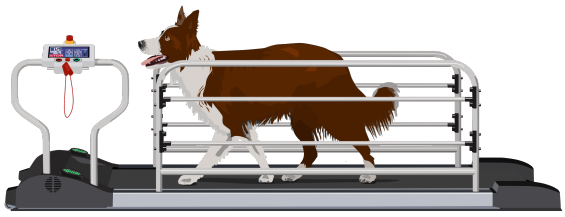
2 Common

2.1 System Requirements

For version 2.10.2 the following system requirements should be fulfilled:

Processor:	Intel Core i5, 11th generation, x64 or alternatives with comparable performance
Memory:	16 GB RAM
Data storage:	1 TB SSD
Graphics card:	OpenGL 4.6 or higher DirectX 9.0c or higher
Display:	Full HD (1920x1080p) recommended
Operating system:	Windows 11 64bit (compatible with Windows 10 64bit)

2.2 New illustrations for the measurement modules



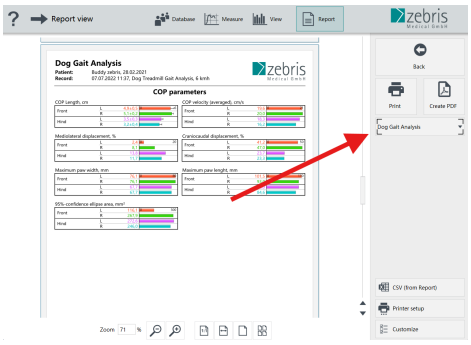
Starting with version 2.10.2, the measurement modules are displayed with updated illustrations in the measurement interface.

3 Report

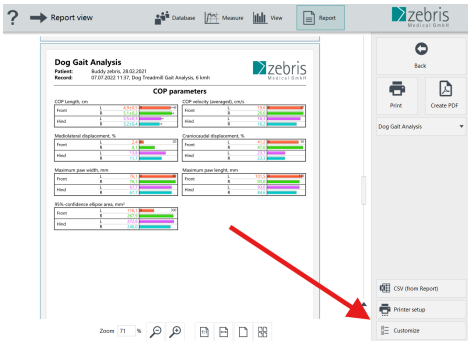
The following additions concern the report functions of the Animal Analysis Suite.

3.1 Extended COP parameters

In addition to the COP parameters in stance analysis reports, the gait analysis report now also displays values for the course of the center of pressure.

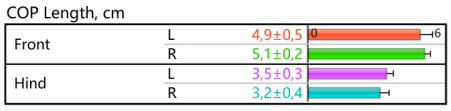


For new installations, the report item COP parameters is included in the standard report.

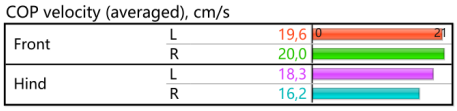


Users who already used a previous version can add it to the standard report via Customize.

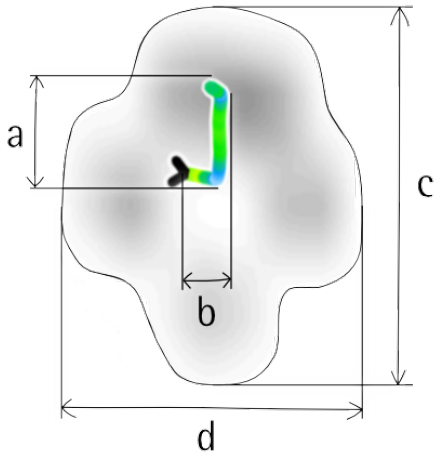
The following parameters are included:



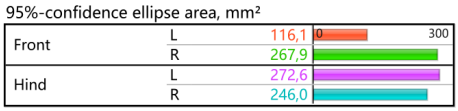
COP Length
The distance covered by the COP per paw during the stance phase averaged over all contacts from the analysis interval.



Averaged COP velocity
Velocity of the averaged COP line (gait line) per paw



a. Craniocaudal displacement in percentage relation to c.
b. Mediolateral displacement in percentage relation to d.
c. Maximum paw length
d. Maximum paw width

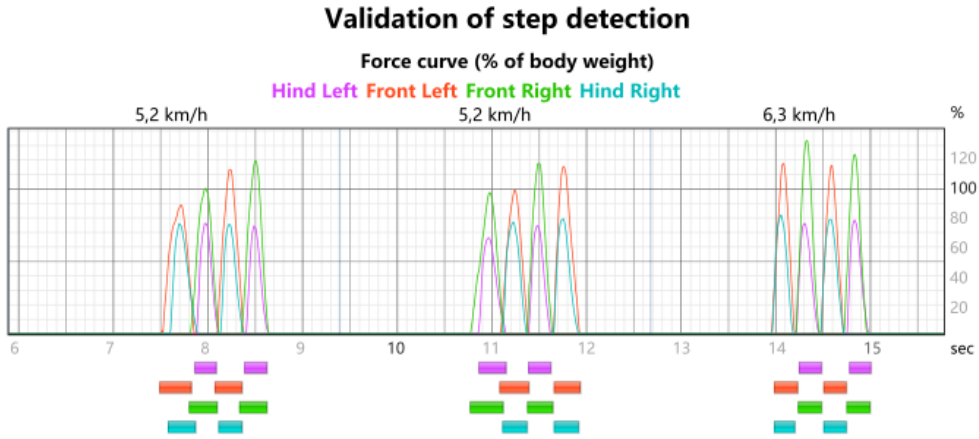


Area of the 95% confidence ellipse
Area of the ellipse covering 95% of the averaged COP line.

The accuracy of specified values is always limited to the resolution of the measuring sensors used.
For Canid Gait systems this is usually 8.5 x 8.5 mm².

3.2 Velocity per interval

To ensure that the velocity does not vary too much between the measurement intervals when measuring with a floor platform, the average speed per interval is displayed in the gait analysis report under Validation of step detection.



4 Change log Bugfixes

Patch	Bugfixes	SUP
2.10	Report: Printer settings: Changes to the settings are retained even after customizing the report	
	Gait analysis platform: Optimization of step detection for high speeds	SUP-7291
	Gait analysis treadmill: Adjustment of the driver for low speeds	
	Stance analysis: Maximum measurement frequency limited to 60 Hz	
	Gait analysis: Report: Incorrect scaling of the average force curves	SUP-7265
	Measure: Video synchronization: accelerated storage process	
2.10.2	Stance analysis: Increase maximum measurement frequency to 100 Hz	
	Stance Analysis: Manual Correction of Contact Assignment Enabled	SUP-8348
	JPG Export: Corrected naming of exported files	
	Gait analysis: Prevent software crash when generating the report due to incorrect step assignments	SUP-7892
	CSV Export: Export files containing the average COP line are given the suffix "_average" to prevent them from being overwritten when exported simultaneously with other COP charts.	
	Chinese Translation now available	
	SYNCCam HS: fix synchronization offset	