PRODUCT BULLETIN

Type: Information

Bulletin Number IB 2020013

Subject: New Lorrca software and User Manual version

Date: November 2020

From: Support department

Number of pages: 2

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Instruments:

All Lorrca instruments with a Windows 10 laptop and an Oxygenscan option.

Reason:

Software: New insights concerning the performance of the Oxygenscan.
User Manual: The Standard Operating Procedure for the Oxygenscan has been improved.
Hardware: introduction of new USB/Serial converter to solve communications problems.

Impact on **Quality / validity of results:** Yes

Reliability of the instrument: Yes

Safety of the instrument: No

Effective from:

Software is installed at new instruments, delivered from October 27th 2020 and on.

The new USB/Serial converter is included in deliveries from November 10th 2020 and on.

The new version of the User Manual (V5.06) can be used for all versions, but especially for users of the Oxygenscan.

Compatibility:

The new software version 6.02 is compatible with all Lorrca instruments with a Windows 10 laptop.

The USB/Serial converter can be used for all users.

Is field modification possible?

Yes, the software can be installed by the user (on Windows 10 laptop only)

Please follow the instructions included.

Instructions for ***Software update*** installation:

1. Rename your current Lorrca program 'as a backup'.
   The Lorrca program is found in directory C:/Lorrca MaxSis/ and is called'Lorrca.exe'.
   The file should be renamed to 'Lorrca-backup.exe' (conform lab's intentions).
2. Download the file via the Link
   https://support.rrmechatronics.com/index.php/home/lorrca/lorrca-software/
   Password: LorrcaUseR
   and run this on the Lorrca computer; double click!
3. The Lorrca SW V6.02 will install itself in the correct directory. A new Lorrca.exe program
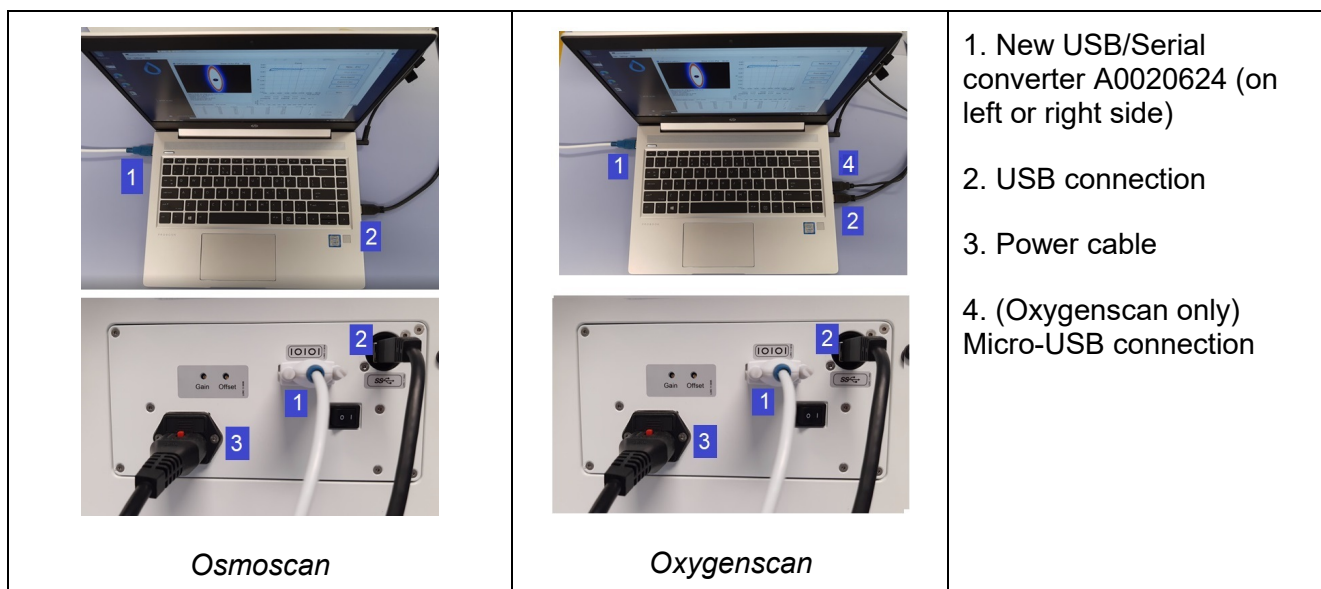   will appear.

This Software version includes automated calibration of the Oxygen sensor spot, see Release Certificate for more details.

Instructions to obtain the new version of the User Manual:

https://support.rrmechatronics.com/index.php/home/lorrca/

This versions includes a new Standard Operation Procedure for the Oxygenscan.

Placement of the new USB/Serial converter:

Osmoscan	*Oxygenscan*	1. New USB/Serial converter A0020624 (on left or right side)

1. New USB/Serial converter A0020624 (on left or right side)

2. USB connection

3. Power cable

4. (Oxygenscan only) Micro-USB connection

Osmoscan   *Oxygenscan*

The USB hub and RS-232 converter QEPC060270 can be removed.

Order information:

A0020624 USB/Serial converter (can be ordered in case of recurring communication problems free of charge)

Notes on stock and obsolescence:

N/A

Additional information:

Release certificate Lorrca software version 6.02

If you have questions do not hesitate and send your email to support@rrmechatronics.com

Software Release Certificate

The following software is validated and released for factory installation and field updates:

Ref. number: **LORC200010**
Description: **Lorrca Maxsis PC software**
Version: **V6.02**
Release date: **06-10-2020**

Previous released version: V5.09 (V6.00 and V6.01 Internal versions)

The software is released for use in the following instruments:

Lorrca Maxsis
Released for new installed PC's.
Field update is possible for PC's with Windows 10

Validation:
F4170 Test Report Lorrca Software V6_02

Listing of modifications and affected software function groups:
On the following page

Released by: Quality Assurance & Regulatory Affairs Department

This document is electronically signed and released, see last page.

Listing of modifications and affected software function groups:

Measurement functions	
Function group	**Modifications**
Deformability curve	None
Cell stability test	None
CMS test	None
Aggregation	None
Osmoscan	Better cleaning of the cup after a scan.
pO2 scan	EImax determination improved (fit). Removal of outliers in measurement data.

Core functions	
Function group	**Modifications**
Vision	None

Communication functions	
Function group	**Modifications**
Internal communication	Automatic communication recovery after loss of communication with instrument.
Printing	None

Management functions	
Function group	**Modifications**
GUI	None
Sample data management	None
Settings management	Valid determinations per measurement setting for Osmoscan added
Service and test functions	Validation of pO2 spot added to self-check (phase signal validation). Two point calibration added to self-check. Barometric pressure readout in mmHg (instead of mBar). Camera visor added.

System functions	
Function group	**Modifications**
Operating system	None