INTERFACE

Lode Ergometer – Quinton Q-Stress

V2.00

STEP I **Setting up the hardware**

1. You will need the RS-232 cable (part no. 930911) to establish communication between the Lode ergometer and your stress system. The lay-out of the cable is as follows:

Straight RS232 cable 930911		
D-con 9 pin female		D-con 9 pin male
2 RxD	----------	2 TxD
3 TxD	----------	3 TxD
5 GND	----------	5 GND

2. Connect the RS232 cable to the ergometer *(see picture 1).*
3. Connect the RS232 cable to the Quinton Q-Stress system *(see picture 2).*

STEP II **Setting up the ergometer**

4. Switch on the ergometer

   The Corival ergometer is default shipped with the correct RS232 communication protocol. You can change the RS232 by following the procedure below:
   - Switch on the ergometer and press enter.
   - You will be in the "MAINMENU"
   - Select, by using the up/down keys, the menu "SYSTEM PARAMETER" and press enter
   - Select, by using the up/down keys, the menu "SETTINGS" and press enter
   - Select, by using the up/down keys, the menu "RS232 PROTOCOL" and press enter
   - Select, by using the up/down keys, the "LODE PROTOCOL" and press enter.
   - Save the selected RS232 protocol or restore the default RS232 protocol, which is also the LODE PROTOCOL.
   - Switch off the ergometer.

5. For controlling the ergometer by the Q-stress the ergometer should be set in "TERMINAL" mode. The "TERMINAL" mode should be selected as follows. After switching the ergometer on press enter, and select "TERMINAL" and press enter again

   NOTE: You can also let the ergometer startup in "TERMINAL" mode every time you switch on the ergometer, by using the default start menu. To set up the ergometer for starting up in “TERMINAL” mode proceed as follows:
   - Switch on the ergometer and press enter.
   - You will be in the "MAINMENU"

- Select, by using the up/down keys, the menu "SYSTEM PARAMETER" and press enter
- Select, by using the up/down keys, the menu "SETTINGS" and press enter
- Press enter to confirm the menu “DEFAULTSTARTMENU” and press enter

If you switch off the ergometer it will start-up in the “TERMINAL” mode every time when the ergometer is switched on again.

6. The Lode ergometer is now ready for external control

STEP III Setting up the Quinton Q-Stress

7. Switch on the ECG monitor
8. Select the “SETUP”menu and choose “SYSTEM”
9. Select the tab “DEVICE SETUP”
10. Select on COM2 the ergometer “REHCOR”
11. Choose “SAVE” to confirm your choice and select “CLOSE” to leave the “SYSTEM” menu.
12. The internal bloodpressure monitor is not supported yet.

Restart the ergometer and ECG device and then your system is ready to be used.

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Fig. 1 RS232 cable & trigger cable - Ergometer

Fig. 2 RS232 cable - Stress System

- The installation procedures of the Lode ergometers Corival, Angio and Excalibur (Sport) are all the same. The connection of the cables may be on slightly different places.

For questions and comments, you can contact the Lode service department by e-mail at service@lode.nl or by telephone at +31 50 5712811.

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