INTERFACE
Lode Ergometer – Seiva EKG Ergolog

STEP I **Setting up the hardware**

1. For controlling the ergometer by the EKG ERGOLOG you will need the RS-232 cable (#930911) to establish the communication. The lay-out of this cable is as follows:

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

2. Connect the RS232 cable to the ergometer *(see picture 1).*
3. Connect the RS232 cable to the EKG ERGOLOG *(see picture 2).*

STEP II **Setting-up the ergometer**

4. Switch on the ergometer

   The Corival ergometer is default shipped with the LODE RS232 communication protocol. It should be set to the ERGOLINE P10 RS232 protocol
   You can change the RS232 protocol by following the procedure below:
   - Switch on the ergometer and press enter.
   - You will be in the "MAIN MENU"
   - 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 "ERGOLINE P10" protocol and press enter.
   - Save the selected RS232 protocol.
   - Switch off the ergometer.

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

   NOTE: You can also let the ergometer start-up in "TERMINAL MODE" 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” mode proceed as follows:
   - Switch on the ergometer and press enter
   - You will be in the "MAIN MENU"
   - Select, by using the up/down keys, the menu "SYSTEM PARAMETER" and press enter

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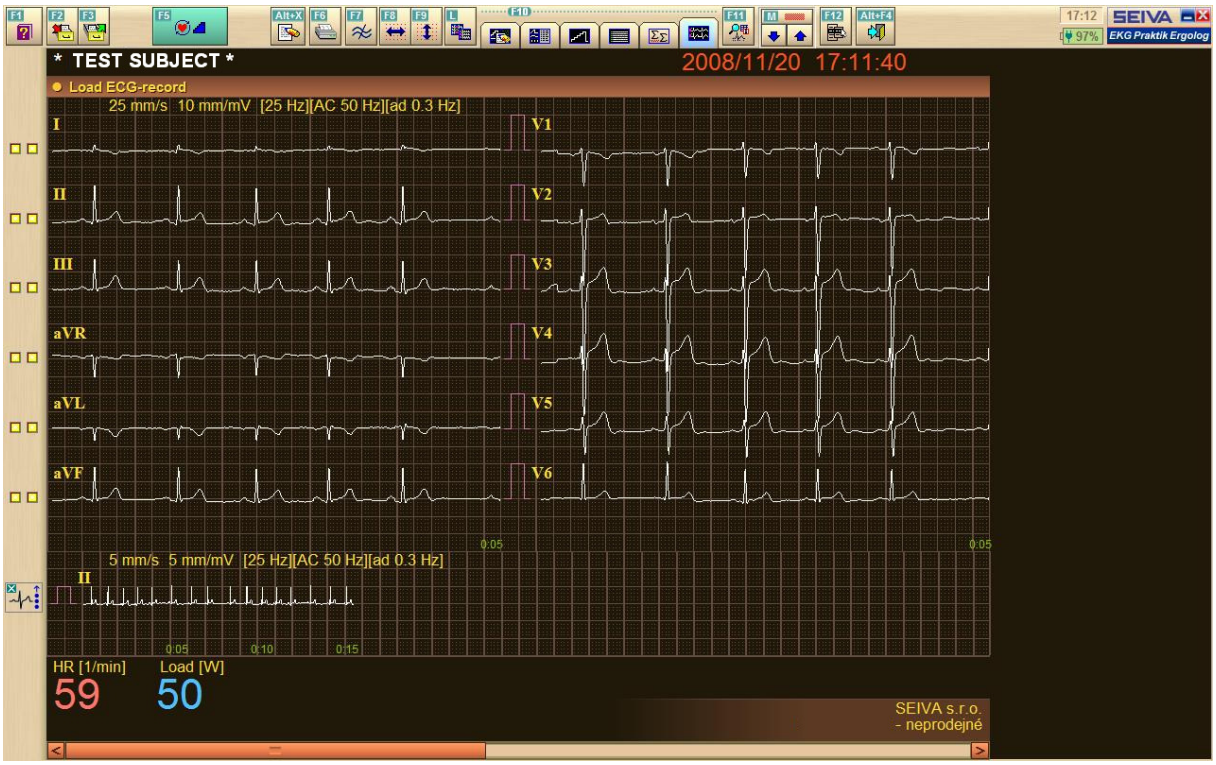
- Select, by using the up/down keys, the menu "SETTINGS" and press enter
- Press enter to confirm the menu “DEFAULTSTARTMENU”
- If you switch off the ergometer, it will start-up in the “TERMINAL MODE” mode, every time when the ergometer is switched on again

6. The Lode ergometer is now ready for external control.

STEP III	Setting up the Seiva EKG Ergolog

7. For controlling the Lode ergometer by the software, you will have to make a “device
8. configuration” in the EKG ERGOLOG. Take the following steps:
    a. Switch on the ECG monitor
    b. Press function key F5



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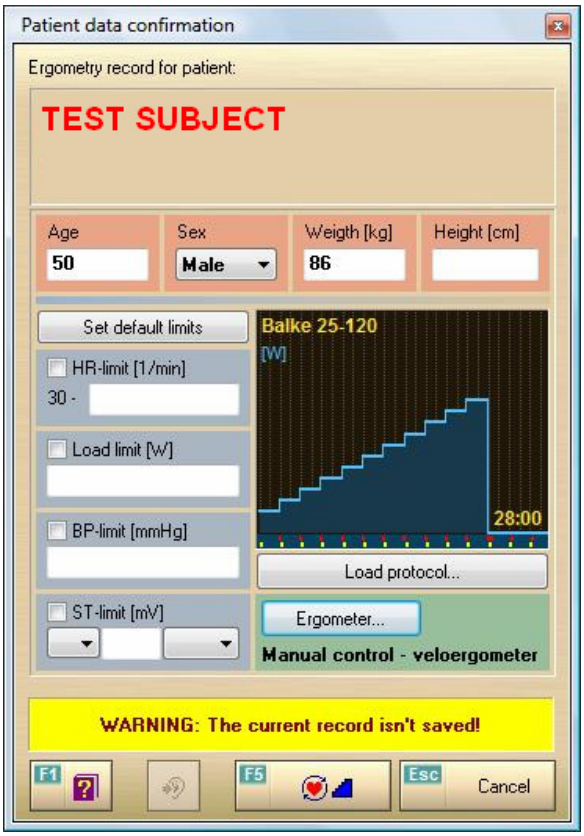
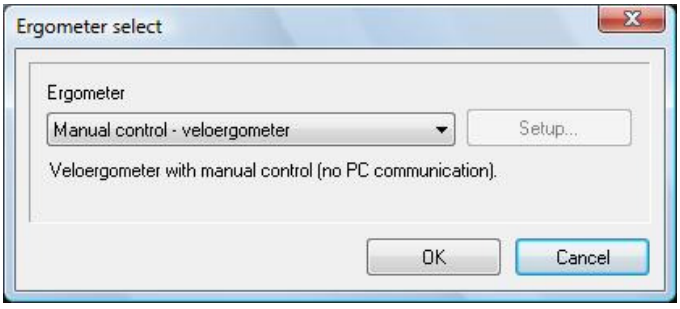
9. The following screen will appear



10. Press ergometer to select the choose an ergometer
11. From the pulldown menu you are able to select the “Ergoline 900”ergometer and press OK to confirm your selection.



The system is ready for use.

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Remarks:

- 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.

Picture 1: Connection to the Ergometer

Picture 2: Connection to the EKG ERGOLOG

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