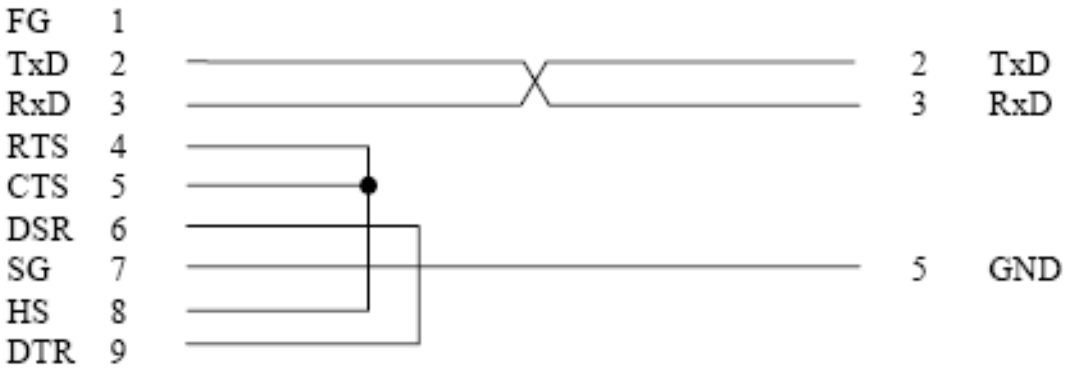
# INTERFACE

## Lode Ergometer – ST-1212 STRESS ECG

**V1.00**

| STEP I | Setting up the hardware |
|---|---|

1. Connect the ST-1212 STRESS ECG isolation box to a PC. Connect the isolation box to the ECG sampling box. You will need the RS-232 cable (part no. 930730) to establish communication between the Lode Corival Ergometer and the PC. The layout is as follows:




2. Connect the RS232 cable to the ergometer ( see picture 1)
3. Connect the RS232 cable to the ST-1212 STRESS ECG ( 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 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 " Ergoline P10" and press enter.
   - Save the selected RS232 protocol.
   - Switch off the ergometer.

5. For controlling the ergometer by the ST-1212 stress ECG the ergometer should be set in "Terminal" mode. The "Terminal" 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:

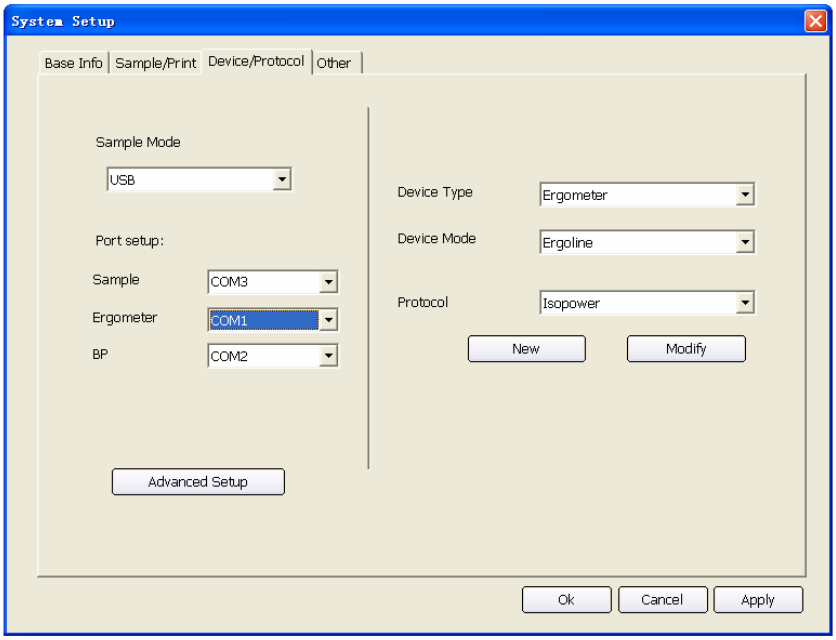
- Switch on the ergometer and press enter.
- You will be in the "MAINMENU"
- Select, by using the up/down keys, the menu "SYSTEM PARAMETER" and press enter
- Select, by using the up/down keys, the menu "SETTINGS" and press enter
- Press enter to confirm the menu “DEFAULTSTARTMENU” and press enter

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 ST-1212 STRESS ECG

7. Switch on the ST-1212 STRESS ECG and start ST-1212 program.
8. Select **Devicetype/Protocol** on the **System Setup** interface.
9. Select **Ergometer** in the **Device Type** pull-down list.
10. Select **Ergoline** in the **Device Model** pull-down list.
11. Select **COM1** to which the ergometer is connected in **Port setup**




12. Press the **OK** key.

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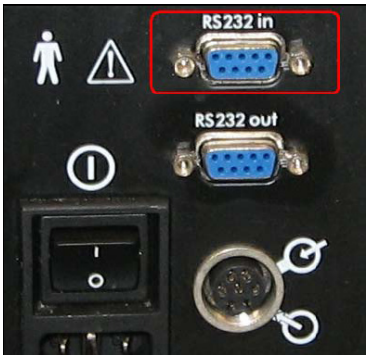
**V1.00**

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




*Picture 1*

*Picture 2*

*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.

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