microtracker

System Check-ups

Data acquisition system WMicrotracker
Hardware version: WMTK09-R01
Software version: WMTK V2.4 Rev.Beta (2011)

Power Supply

1) Check that Power Outlet where you connected the Power Supply has current and that the Power Supply is properly plugged in to the equipment.

Power Supply Connection.

2) When you connect the Power Supply to the equipment the green light on top of it should turn on and the blue light should flash three times (this is a system check of the microprocessor).

Communication

1) Check that the communication cable (DB9-DB9) is connected at the back of the equipment.
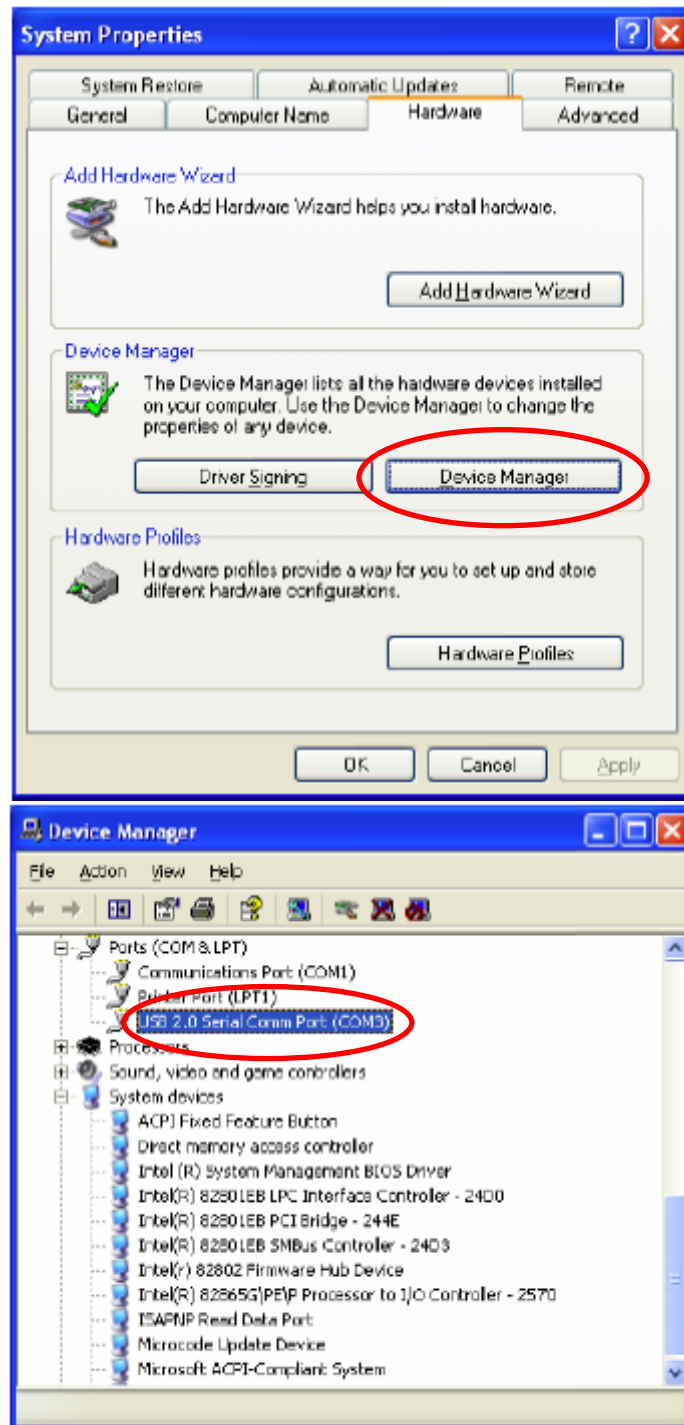

COMM PORT.

2) Check that the communication cable is connected to your PC's USB port trough the USB-Serial adapter.

USB-Serial adapter.

Note: The USB-Serial adapter and its driver CD should be provided with-in the equipment package.

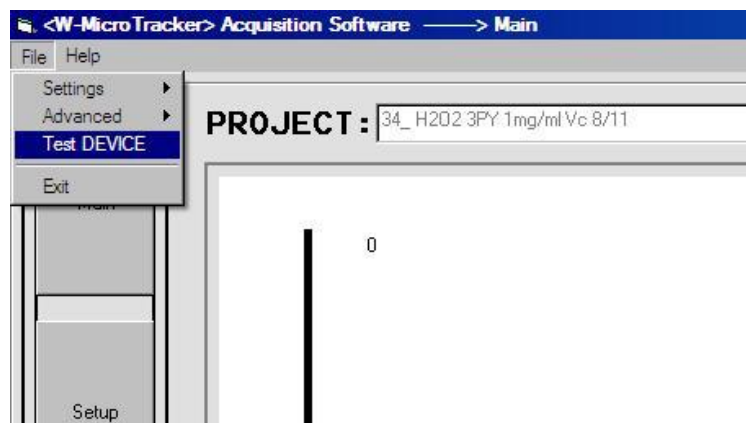3) Check the driver has been properly installed and is working correctly.

wMicroTracker acquisition software

1) Initiate wMicroTracker acquisition software checking that the equipment is connected, without plate and with the door closed.
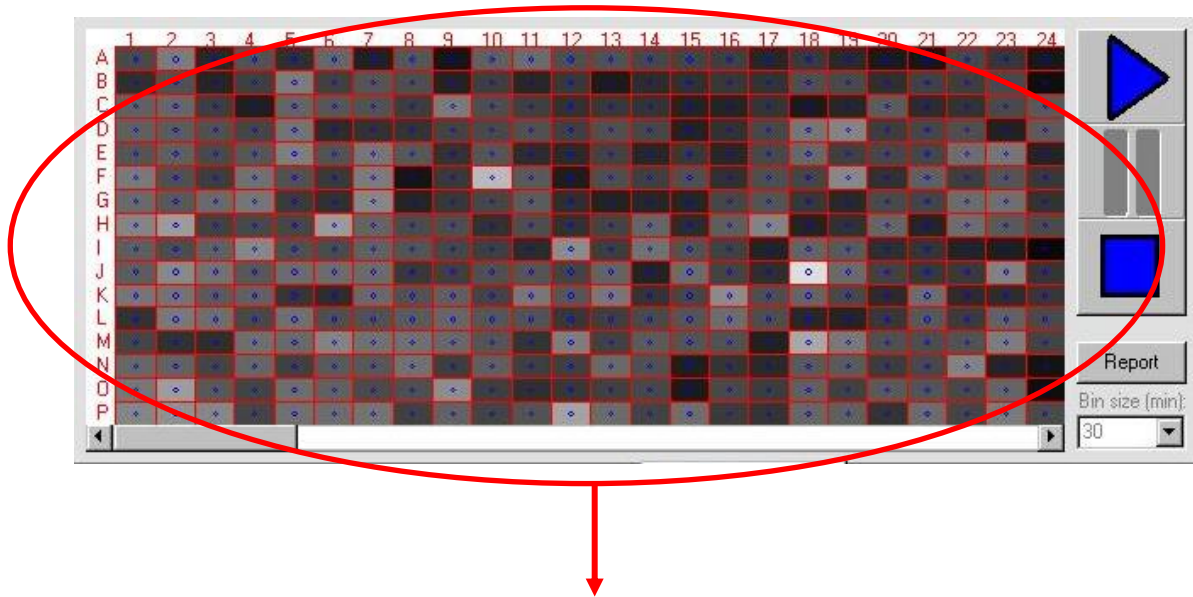

Remove the plate and close the door
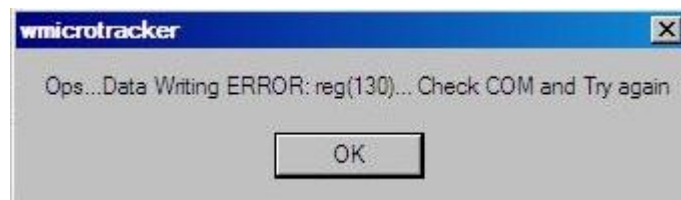
2) From the *File* menu start a *test DEVICE run*.

Advanced Menu.

3) At the sensors array display check that the signal of each sensor turns dark or bright at the appropriate moment.

Well color shows the signal received by the photoreceptors. If they are working good, during the test run they should all alternate between white and grey or black.
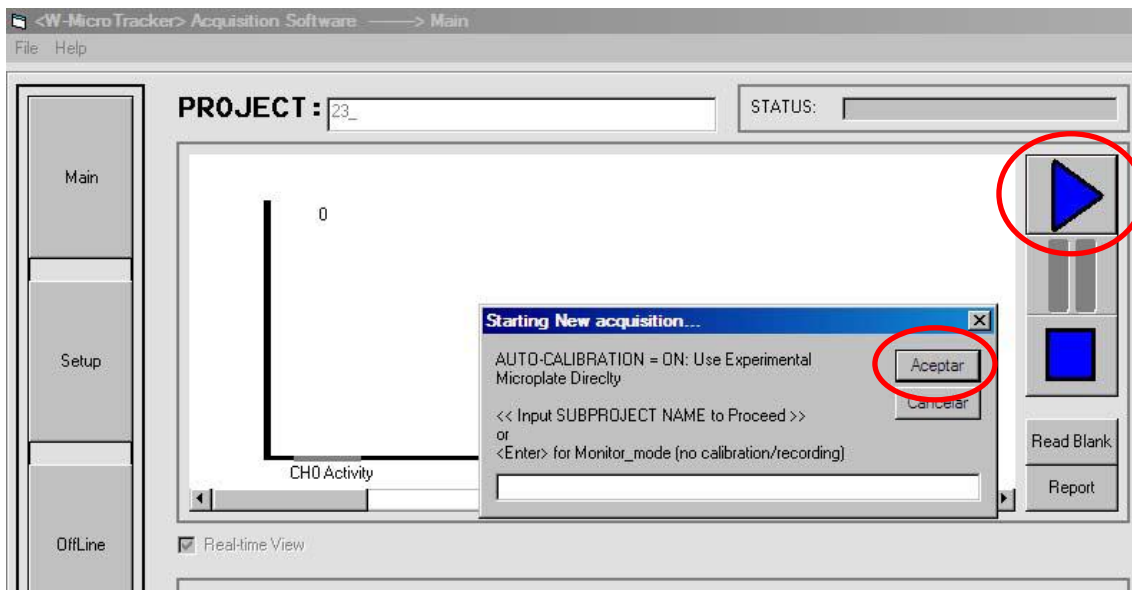
4) At any time during the test you can manually check the condition of the sensors by opening the door of the equipment; this will cause the tray of the device to block the IR beams making the sensors on display to go dark.

5) If you get a communication error during the test you should check that the equipment has power and that it is properly connected to the PC. If the problem persist you should check that you've installed the version of the USB-Serial driver appropriate to your Operating System.
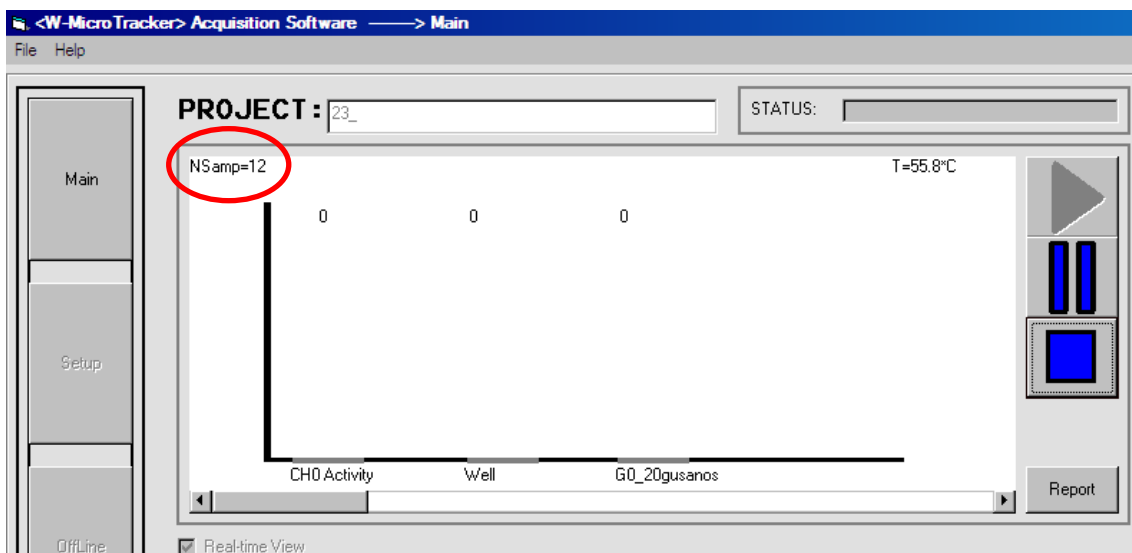

If neither of these steps corrects the problem then contact the WMicroTracker support team

Data acquisition

1) With the equipment connected to your computer initiate wMicroTracker acquisition software.

2) At the Main Tab click the play button without entering any subproject name.

3) Check the data acquisition counter.

Normal values are between 5 and 10 acquisitions per second. If the speed is lower than that then there is a data communication problem. If speed is very high (more than 20 Nsamps per second, and all values = 0) there's also a data communication problem.

If you have any comment or problem just contact us to info@wmicrotracker.com.

Software and system updates available at www.wmicrotracker.com