

D3200PRO

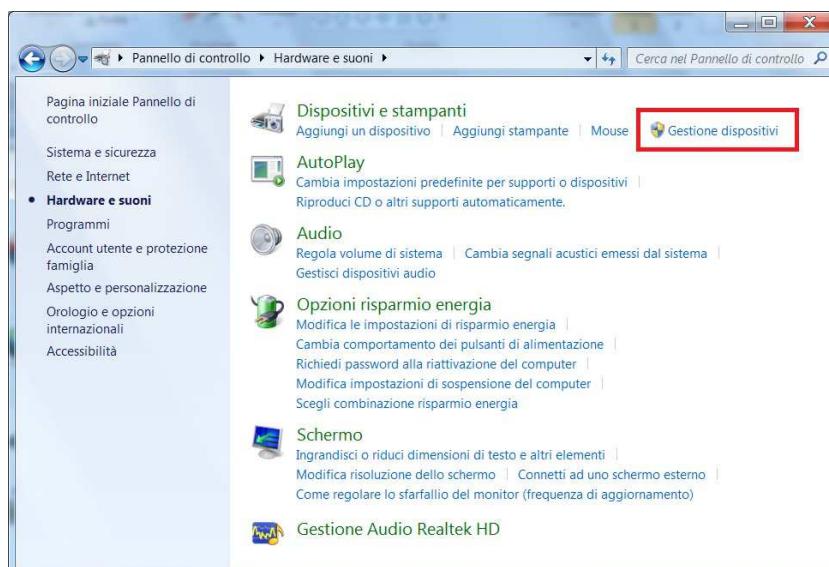
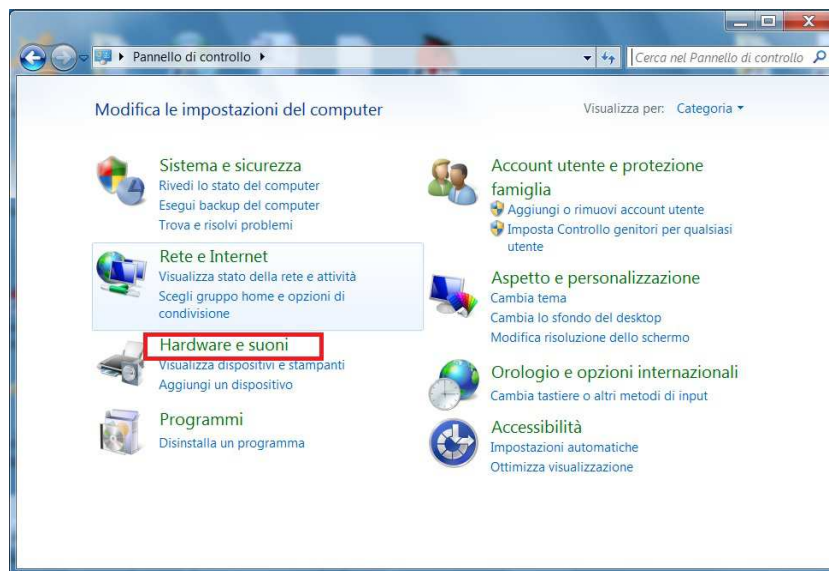
Quick Reference Guide

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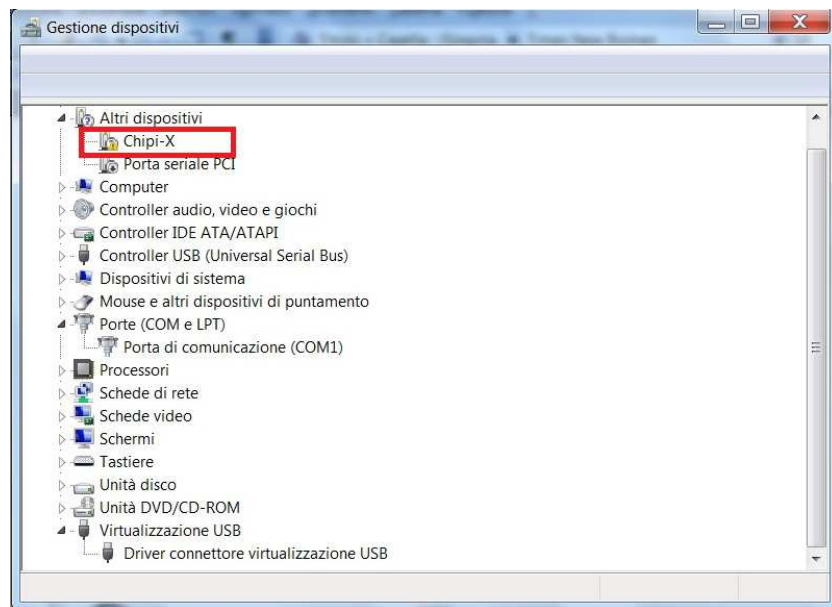
This is a quick guide to D3200PRO datalogger setup.

Please follow these steps:

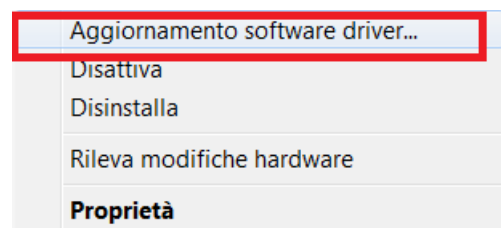
- 1) Install the fuse along the red wire connecting battery and datalogger.
- 2) Connect battery. Black wire must be connected to the black plug of the battery. Red wire must be connected to the red plug of the battery.
- 3) If LED turns on, wait for it to turn off again. Datalogger and PC can not start communicating while LED is on.
- 4) Plug USB-232 adapter to the PC.
- 5) Wait for drivers to be installed. The adapter requires two separate drivers to get installed. If drivers do not automatically install, then follow these steps:



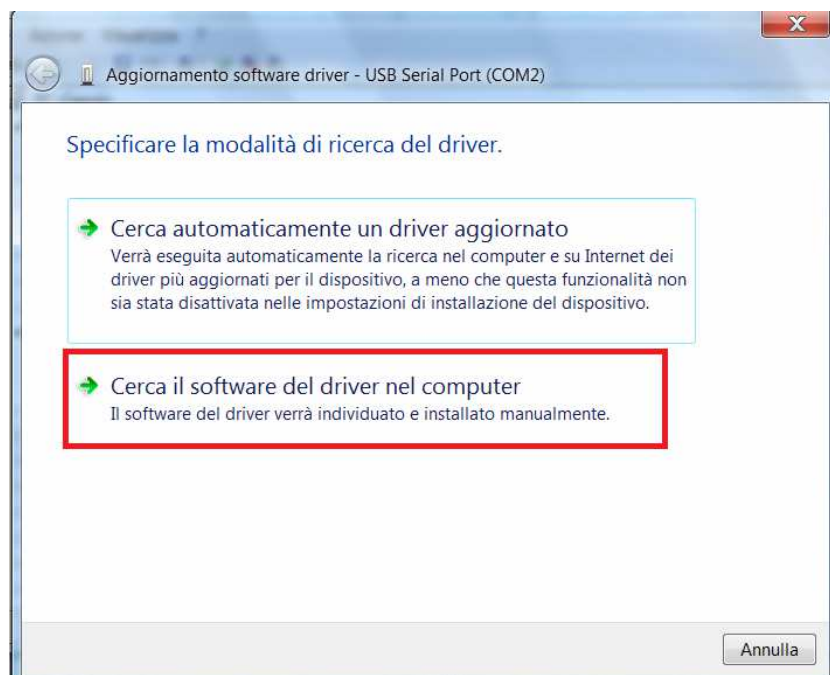
Locate the adapter:



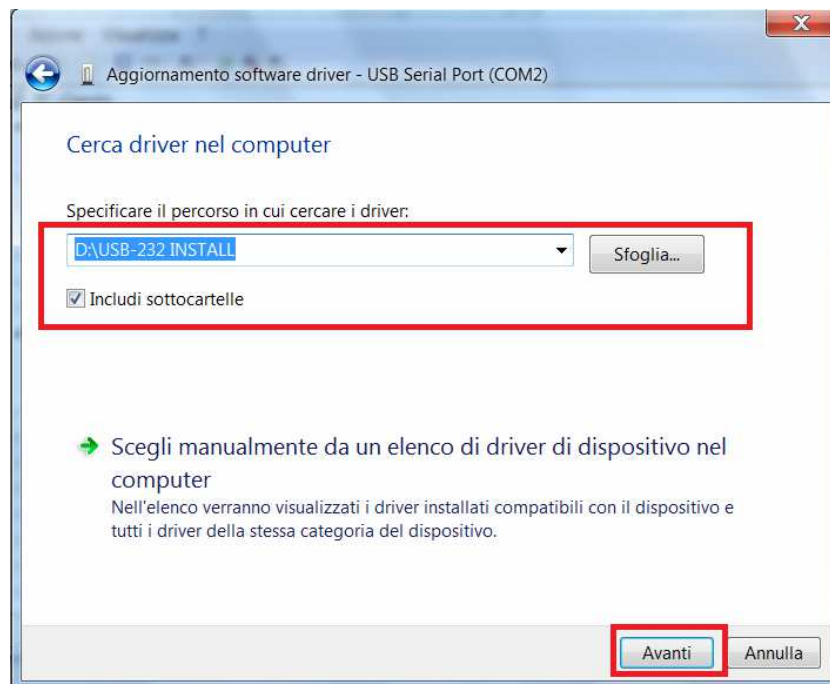
Right click and choose to update software driver:



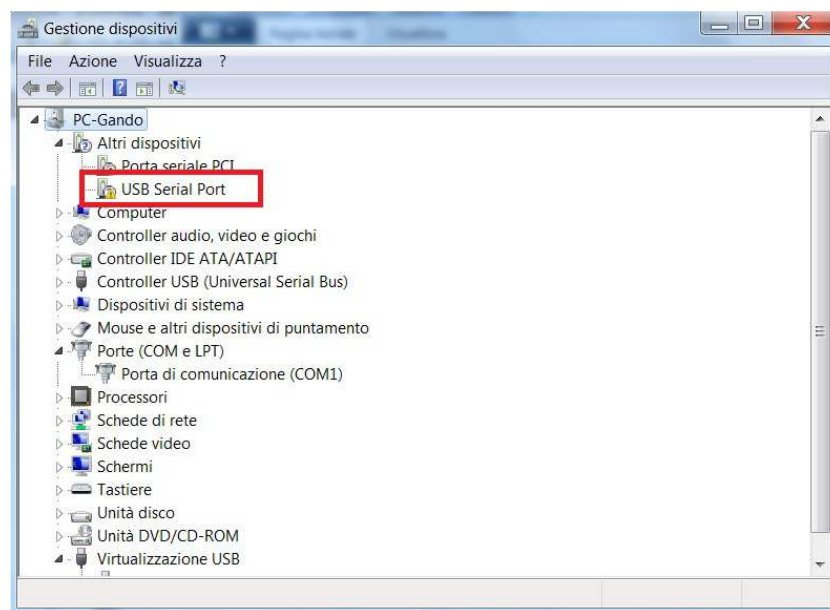
Opt for a manual search:



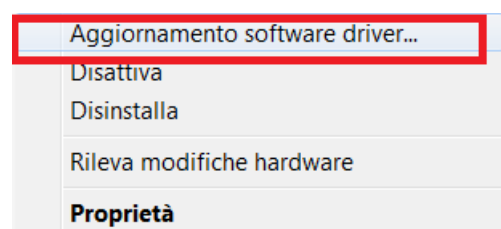
Browse to the USB-232 INSTALL folder in your CD and then click on Continue:



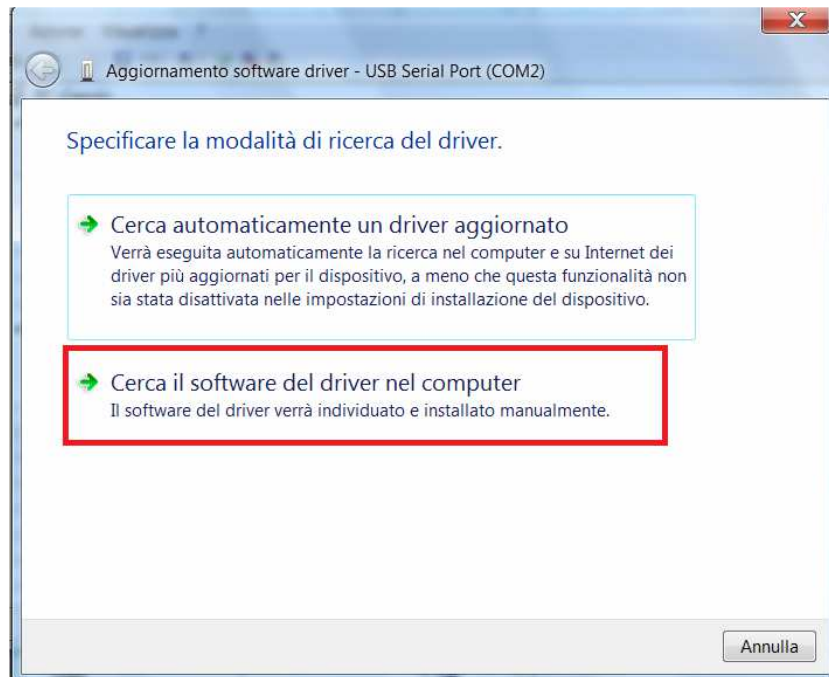
Wait for the driver to install and then repeat the procedure, in order to install the second needed driver. Now you need to right click on this item:



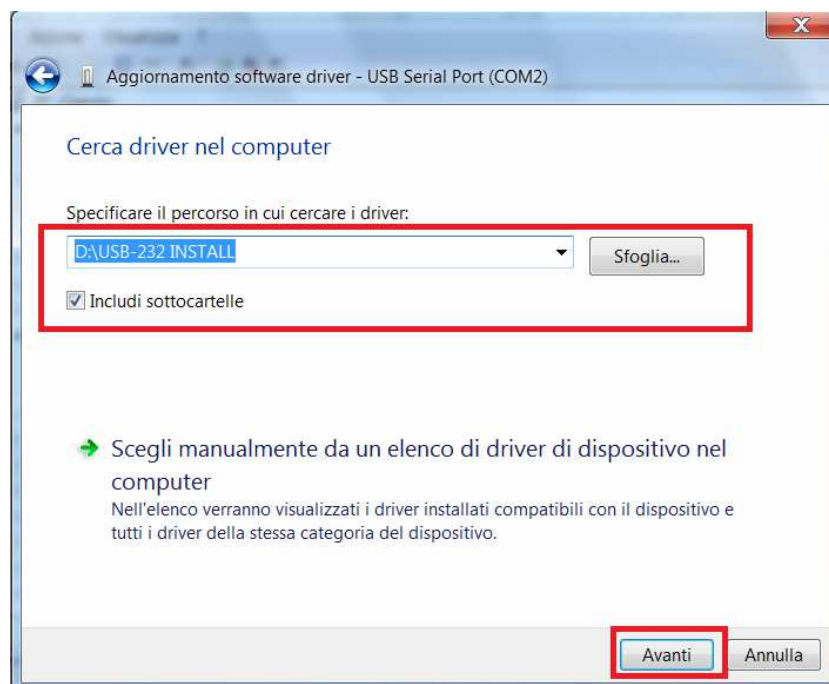
Right click and choose to update software driver:



Opt again for a manual search:

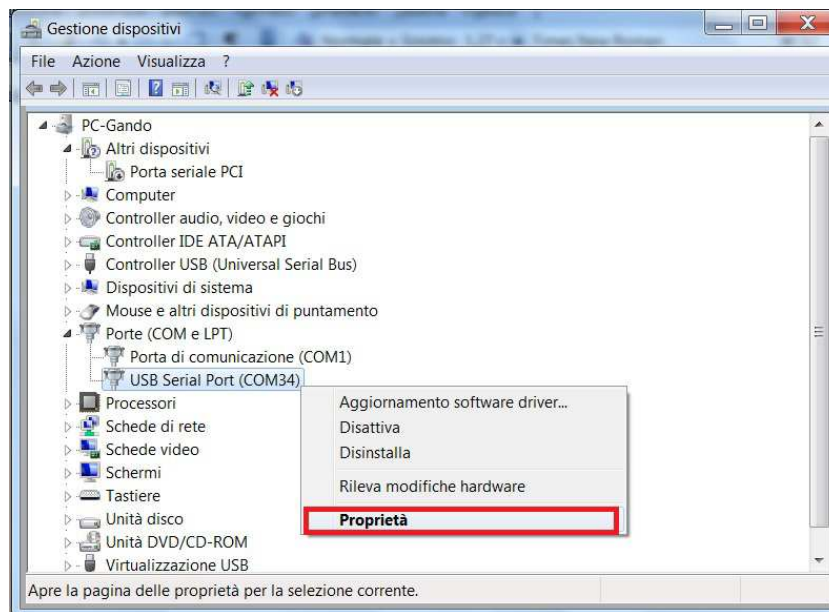


Browse again to the USB-232 INSTALL folder in your CD and then click on Continue:

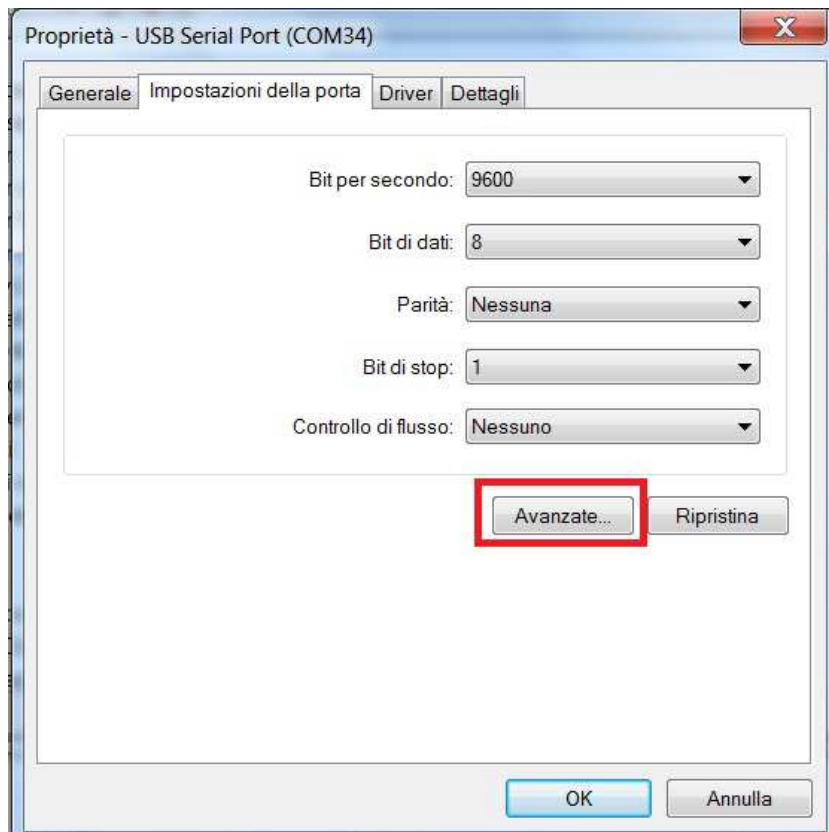


- 6) Check your Serial Port number. Your USB-Serial Port adapter is now installed, but the Serial Port Number might be wrong.
OTR software requires USB-232 adapter to be installed in a COM port from 1 to 16. Please follow these steps:

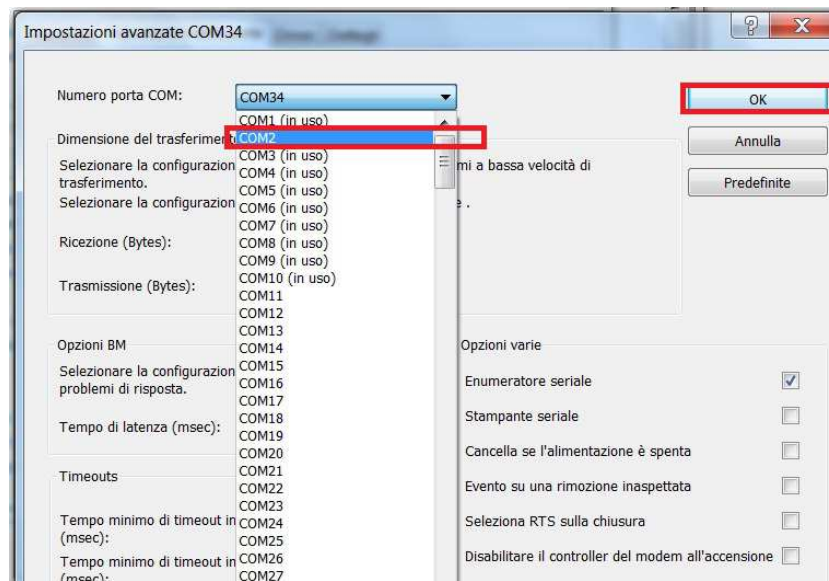
Right click on your USB Serial Port and click on Properties:



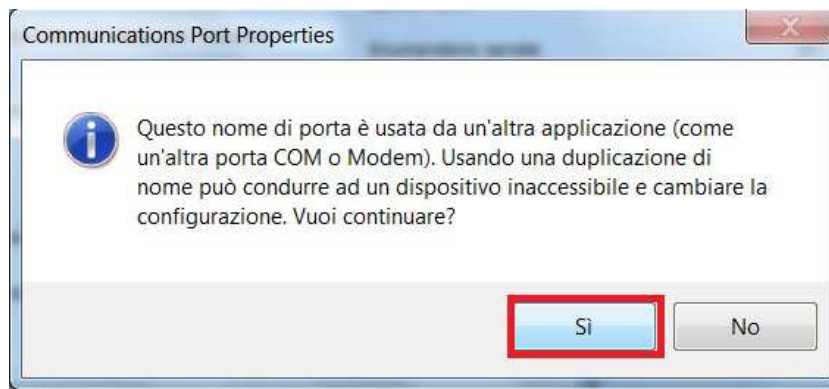
Click on Advanced:



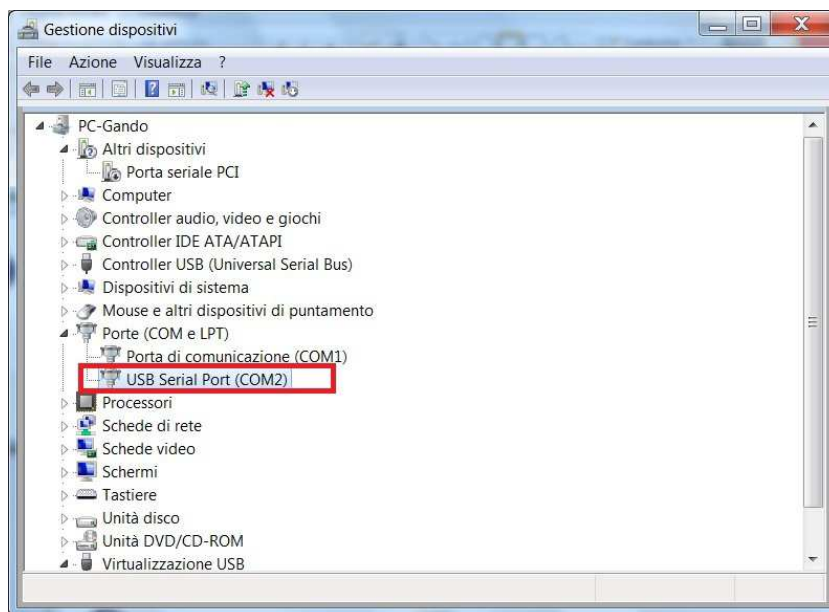
Choose a COM port between 1 and 8 and click OK:



Confirm your option:



Check that your USB Serial Port is correctly installed:

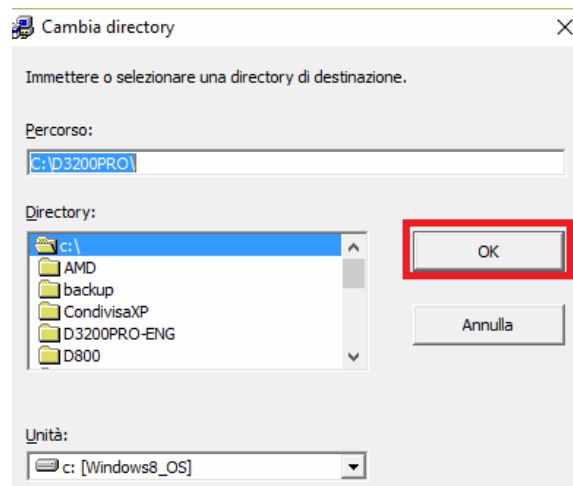
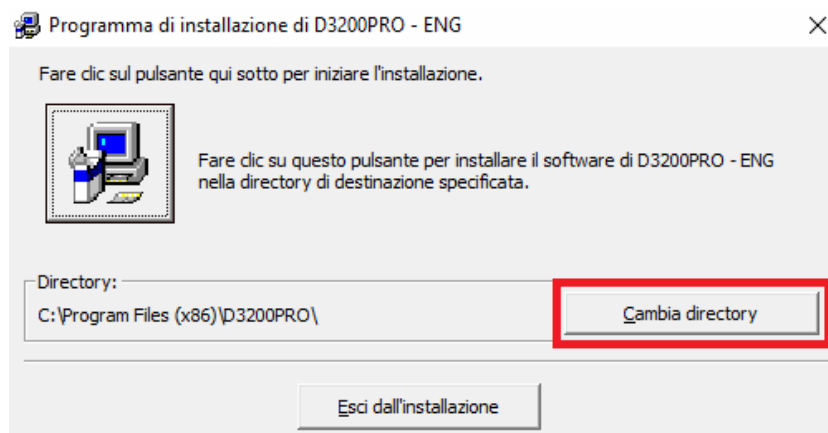


- 7) Unplug your USB-232 Adapter from PC, then reconnect it. Your USB-232 adapter is now properly set up.
- 8) Install D3200PRO software by O.T.R.

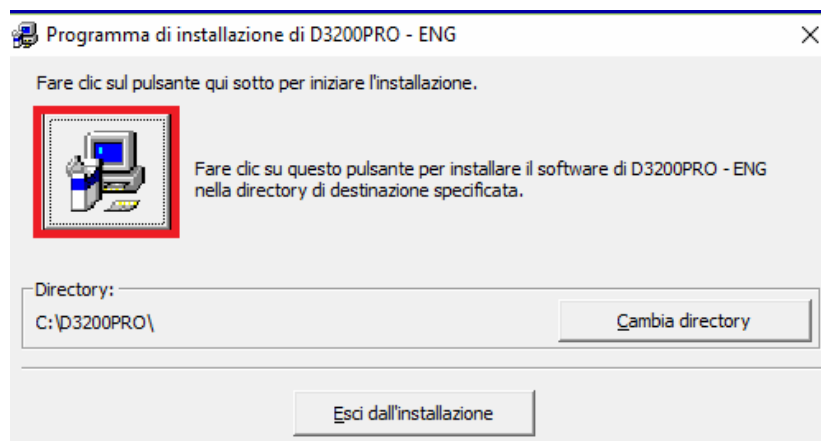
To do so: browse to your CD, enter D3200PRO SETUP folder and double click on Setup.exe. Follow these steps:



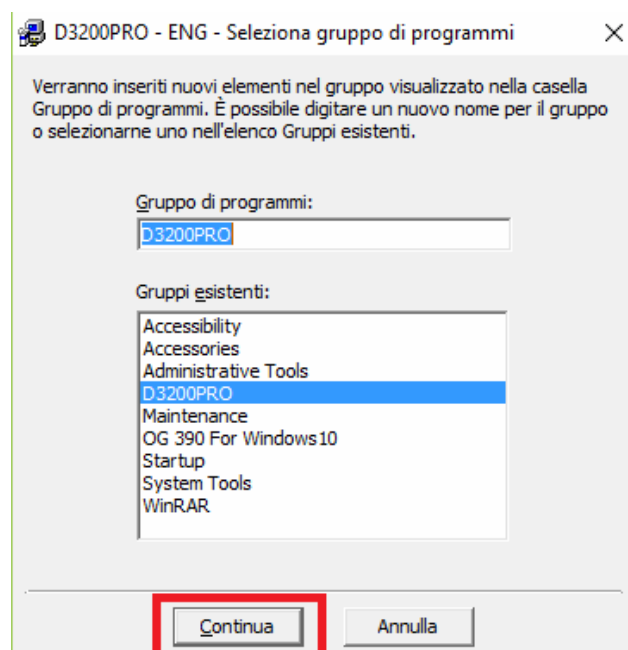
Choose your folder:



Click on the Setup button at the left top:



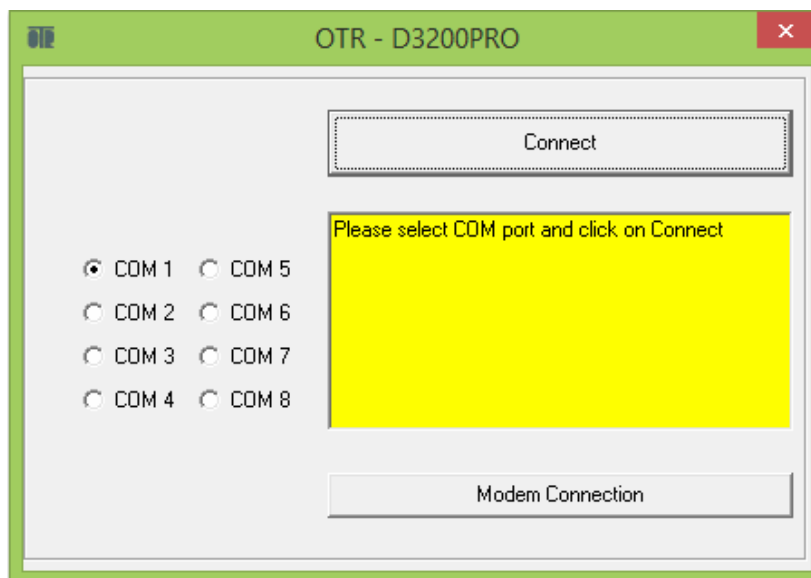
Confirm:



In case some dll file is older than your system dll file, choose to keep your system dll file, by clicking on YES:



- 9) Plug a serial cable to your USB serial adapter and to your D3200PRO datalogger. If the datalogger LED turns on wait for it to turn off.
- 10) Open D3200PRO software.
- 11) Click on Connect:



12) Read and set datalogger internal date and time, by clicking on Read Clock and Write Clock:

13) Read and set date and time of next data acquisition. By clicking on Read Start time (for reading) and Write Start time (for setting).

Acquire now sets a date and time in the past for next data acquisition, forcing the datalogger to acquire new data as soon as the datalogger is disconnected from software.

If *Enable Acquisitions* is not checked, datalogger will not acquire data.

If *Enable Acquisitions* is checked, datalogger will acquire data.

In the example above: today is May, 6th, 2016 and datalogger will automatically acquire new data on May, 7th at noon.

14) Set the interval between two data acquisitions, opening the TIMERS tab:

In this example your datalogger will acquire data starting on May 7th 2016, at noon. Subsequent acquisition will take place at 01:00PM, then another one at 02:00PM and so on.
Read Timer reads the timer.
Write Timer sets the timer.

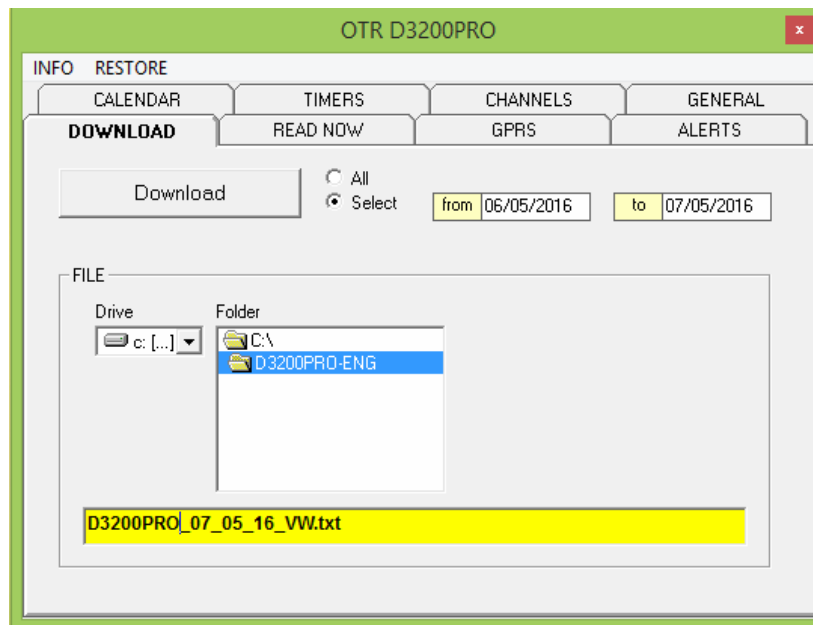
15) You may also check sensors output on screen: open READ NOW tab:

Read MUX 0 starts a measurement for all the active channels on MUX 0 (outer connectors)
Read MUX 1 starts a measurement for all the active channels on MUX 1 (inner connectors)
Read Mux 0 Temp and *Read Mux 1 Temp* are used to read temperatures on Vibrating Wire sensors.

Read internal parameters updates battery voltage (V Batt)

WHEN BATTERY VOLTAGE GETS BELOW 5.7V, BATTERY NEEDS TO BE RECHARGED OR REPLACED.

16) Download acquired data from datalogger to computer, by opening the DOWNLOAD tab:



Download starts data download to PC.

Data are downloaded from the oldest to the most recent.

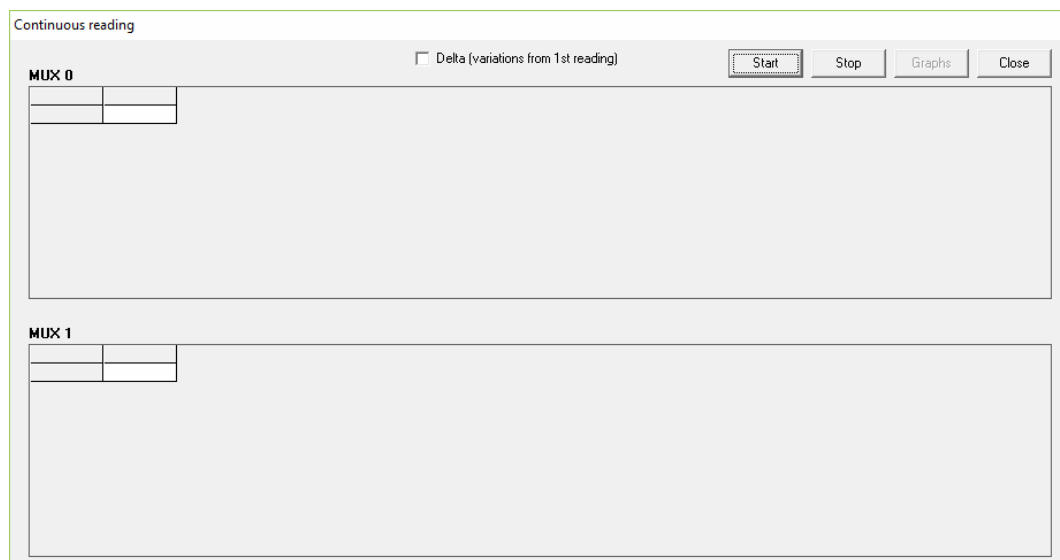
To empty data memory, open CHANNELS tab and click on *Delete Acquisitions*.

By clicking *Delete Acquisitions*, all acquired data will be erased. All other settings will remain unchanged.

By clicking *Write channels #*, the number of channels will be overwritten and all acquired data will be erased as well.

17) You can continuously read both MUX0 and MUX1, save acquired data on disc and visualize graphs on your computer screen. This mode is particularly useful when you need to perform load tests.

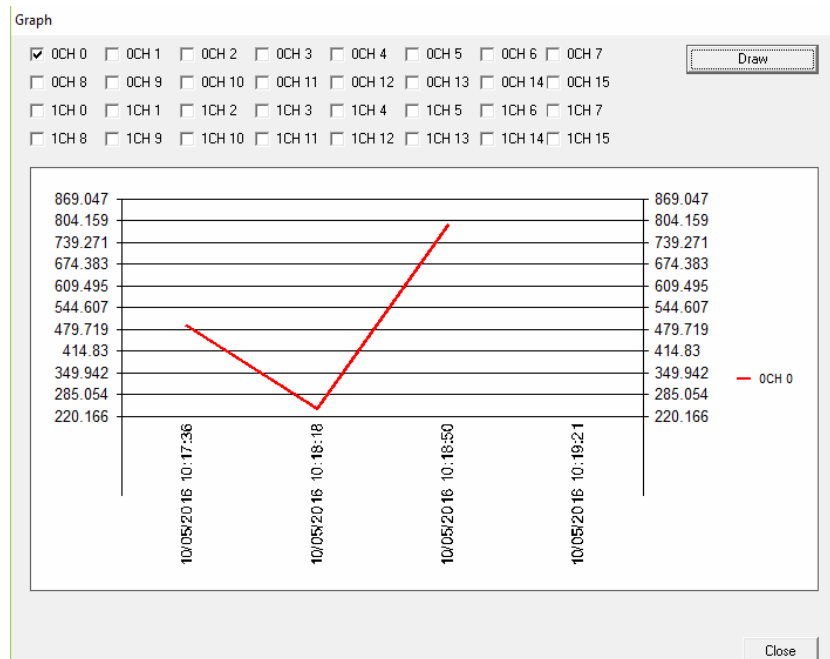
Open READ NOW tab and then click on *Read MUX0+MUX1 and write file*.



Click on *Start*.

You'll be prompted to save a text file, and acquisition will begin. Data will be saved on disc as soon as they are shown on screen.

Graphs will show real time graphs of chosen channels.



This mode requires your datalogger and your PC to be connected for all the duration of load test.

Windows screen savers and power saving need to be turned off, not to stop continuous acquisition of data.

Graphic visualization of multiple channels and multiple data increases computer memory usage. Therefore real time visualization can be lost, and data can appear on your screen with some delay.