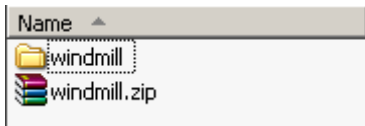


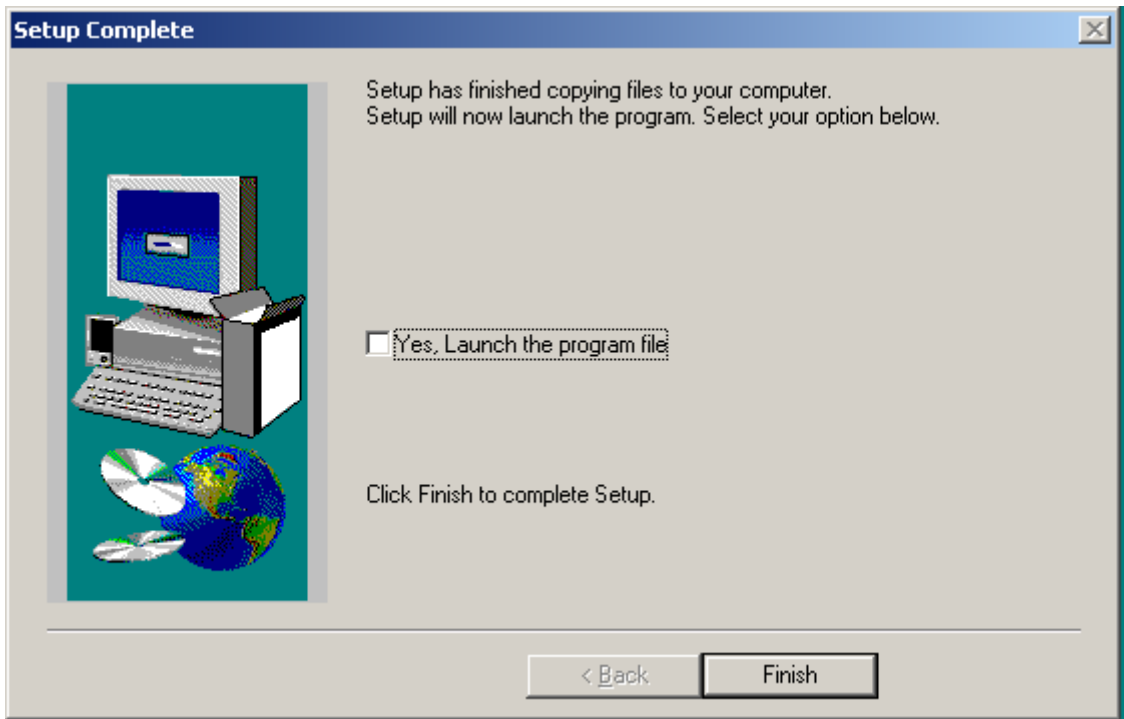
Install Windmill serial communication:



Get the windmill zip file, from <http://www.windmill.co.uk/>, and extract it



Open windmill folder and run setup.exe
Use default settings during install for best result.

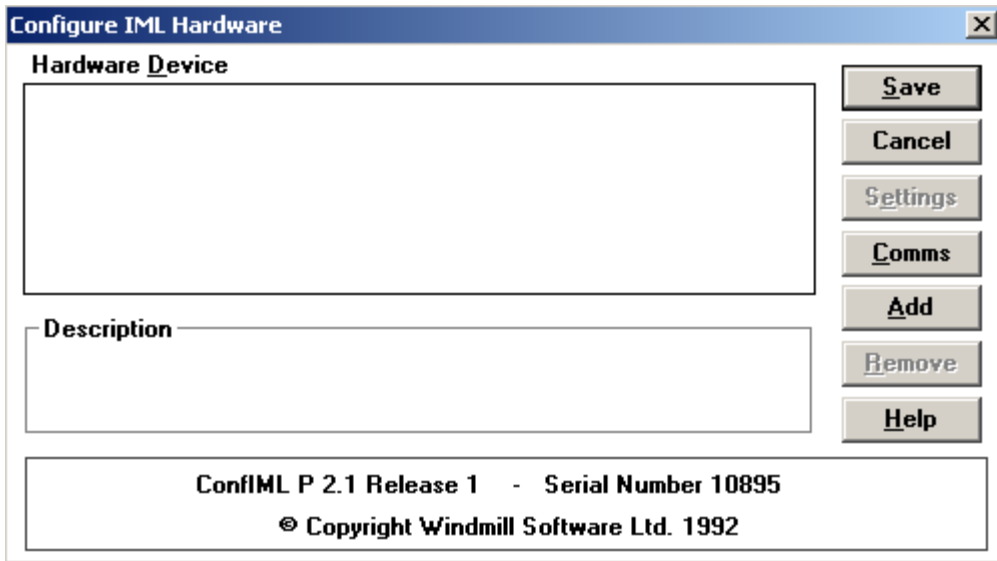


Installation is now complete

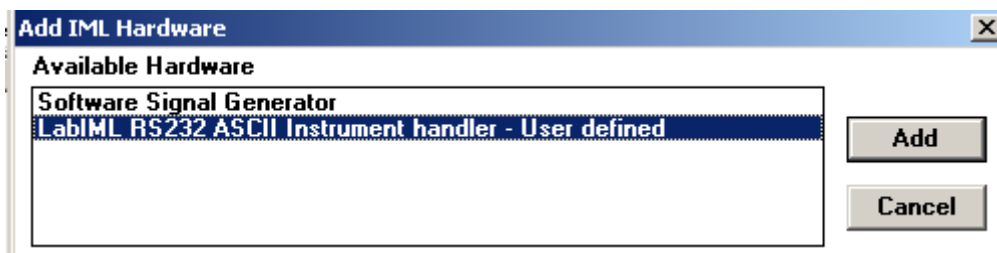
Configure windmill serial instrument handler



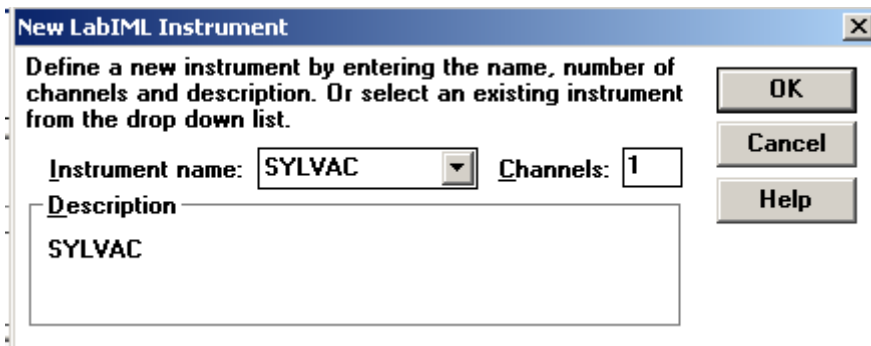
Under start menu->programs->windmill
Start configure IML driver



If anything is present and not needed, remove it by selecting the line, and click Remove button. Now, click Add



Choose "LabIML RS232...." And click Add



Name the instrument used and set to 1 channel and click OK

SYLVAC - Settings [X]

Reading Protocol

- Request/Response - On demand
- Request/Response - Background
- Request/Response - Multi Channel
- Request/Response - Multi - Background
- Continuous Flow

Timeout (mSecs):

Instrument idle time (mSecs):

Returned Message length:

Instrument Initialisation String:

Description
The maximum size of any reply received from the instrument.

OK
Cancel
Help
Channels...

Non-printable...
Insert Delay

Request on demand

Returnlength=10 or more characters (or bytes)

Click "Channels..."

Channel = Read

Max = Optional. This does not impose any limits on the data, it is just a guide for chart scaling etc.

Units = Whatever is sent by your gauge.

Prompt=x (command to send to get a value. Could be anything)

Reply Parse = \\\\I"+"\\\\E"\\\\C013" (ignore everything until a + sign then extract everything up to the carriage return)

Click ok to finish Channel settings

And OK to finish Settings and you are sent to com port settings

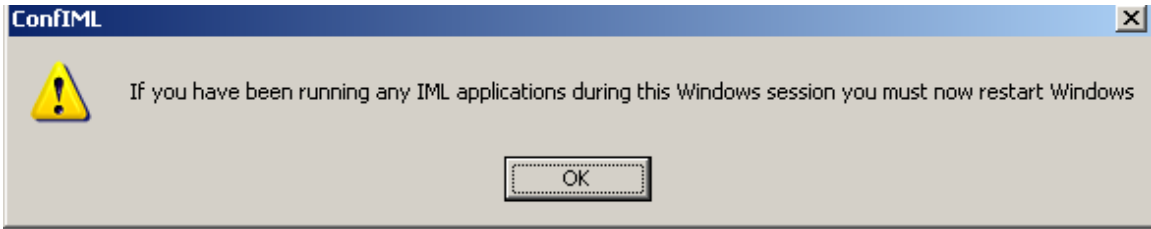
Choose the right com port where the Sylvac meter is connected.

The com port number may be different on other PCs

Setup the setting as above. These are used by the meter.

Click OK

Now Click Save on Configure Window.

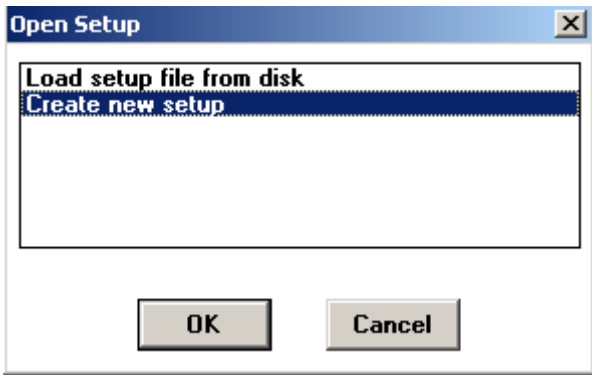


If you have been running Windmill programs and made changes, you must close the programs and any IML icons on the taskbar. There is no need to restart Windows

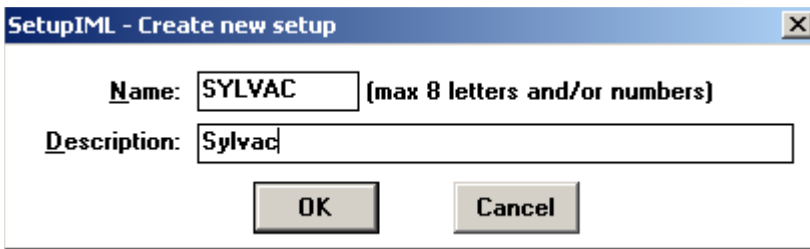
Setup hardware settings



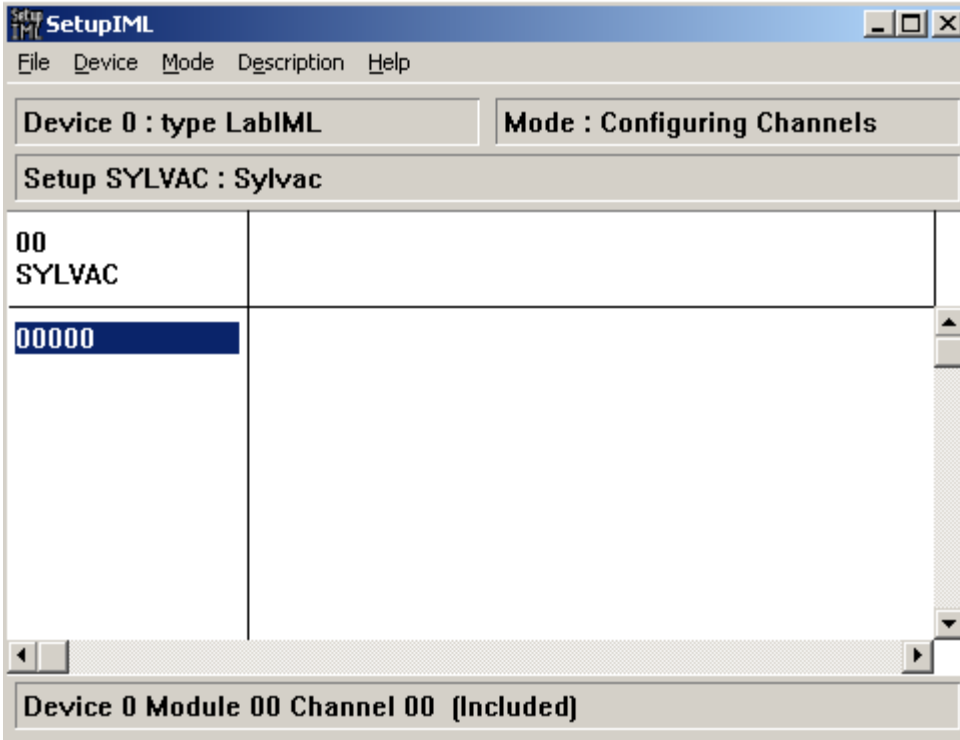
Under start menu->programs->windmill
Start Setup IML driver



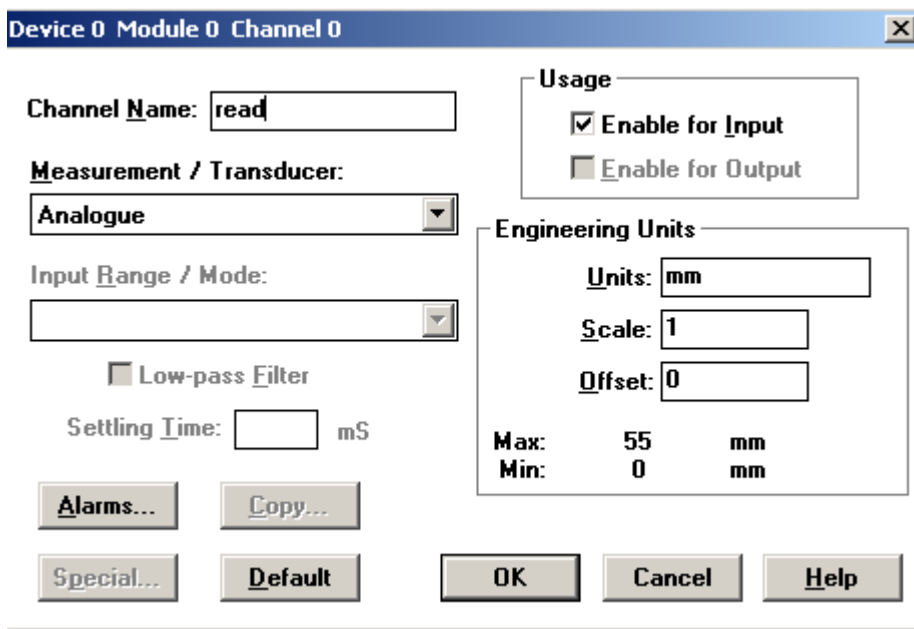
Choose Create new Setup
Click OK



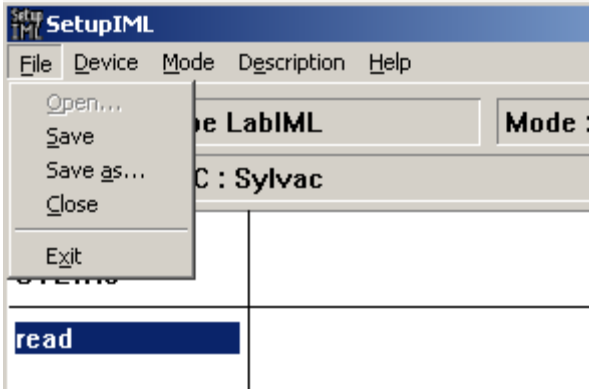
Choose a name for hardware setup
Click OK



Double click on the channel (00000)



Rename channel to Read
Click OK



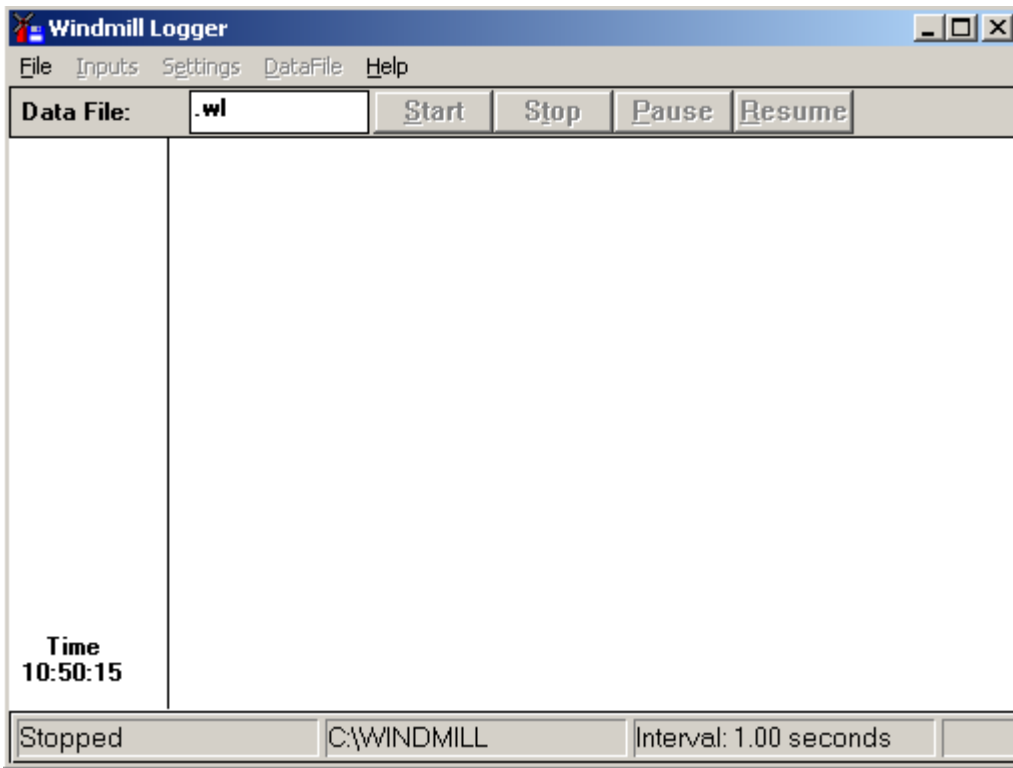
Mneu: file->save as..

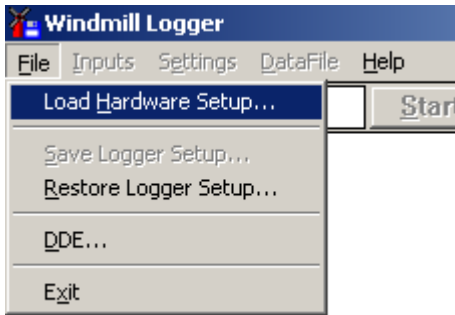
Save the setting as "SYLVAC.IMS" (default)
And close Setup window

Setup Logging.

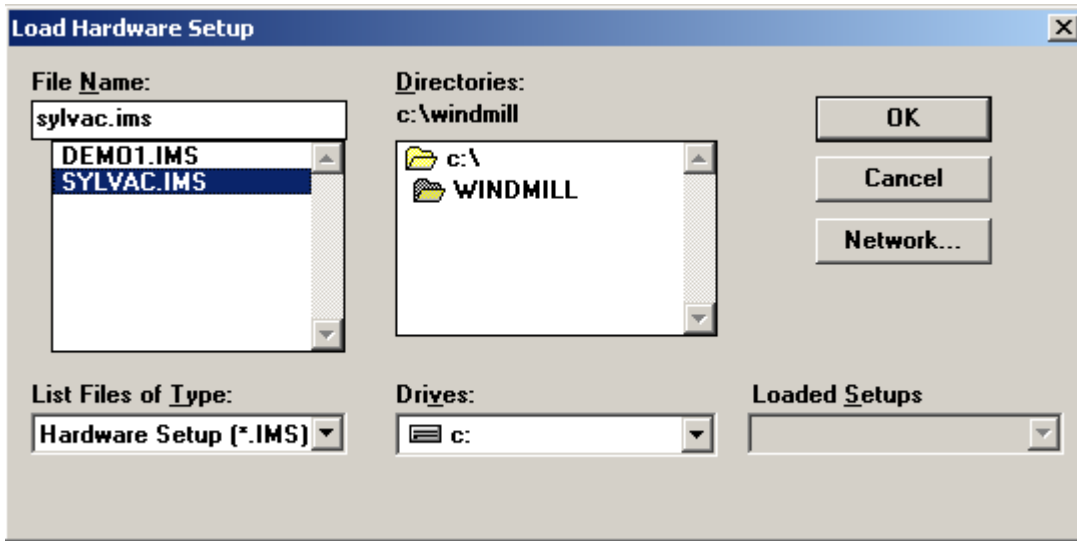


Under start menu->programs->windmill
Start Logger driver

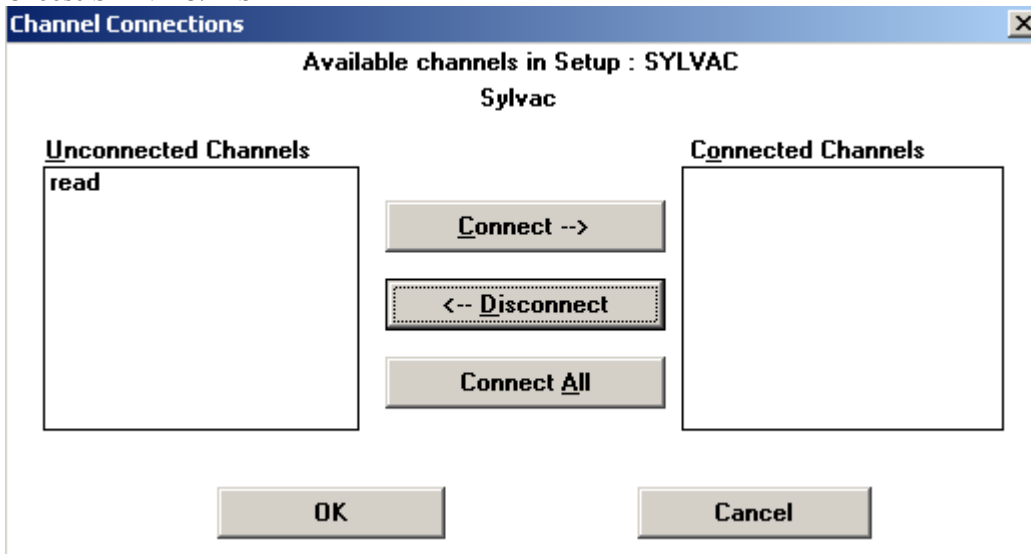




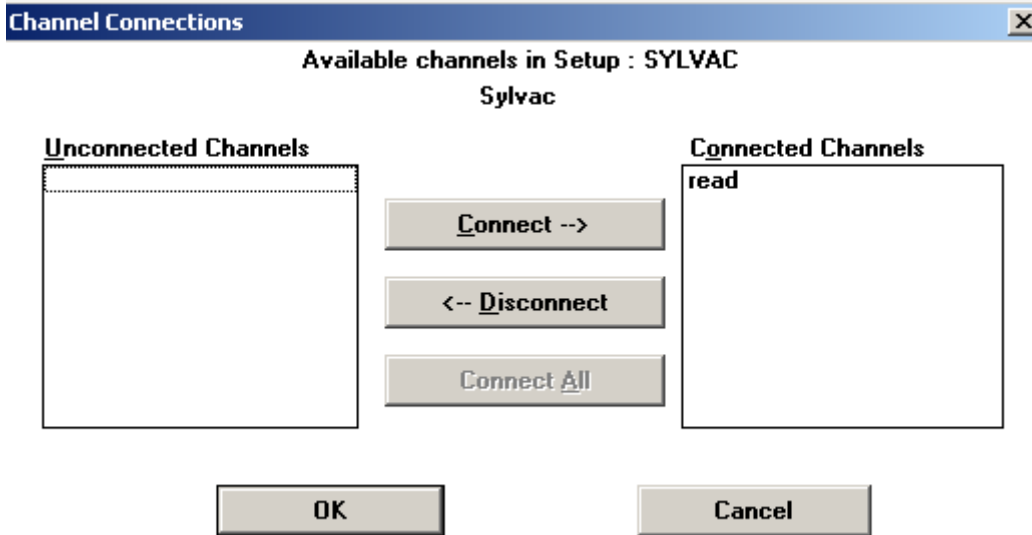
Load hardware setup



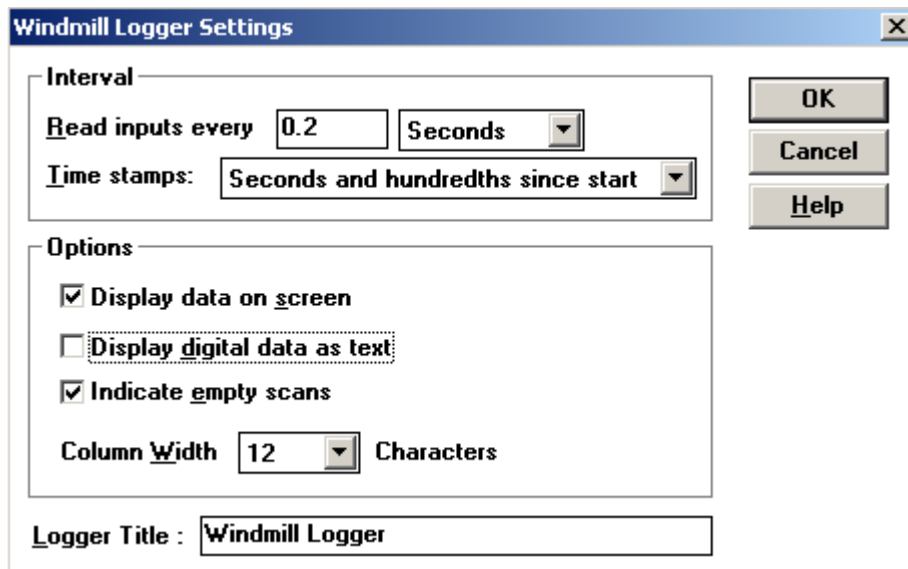
Choose SYLVAC.IMS



Select read and Connect

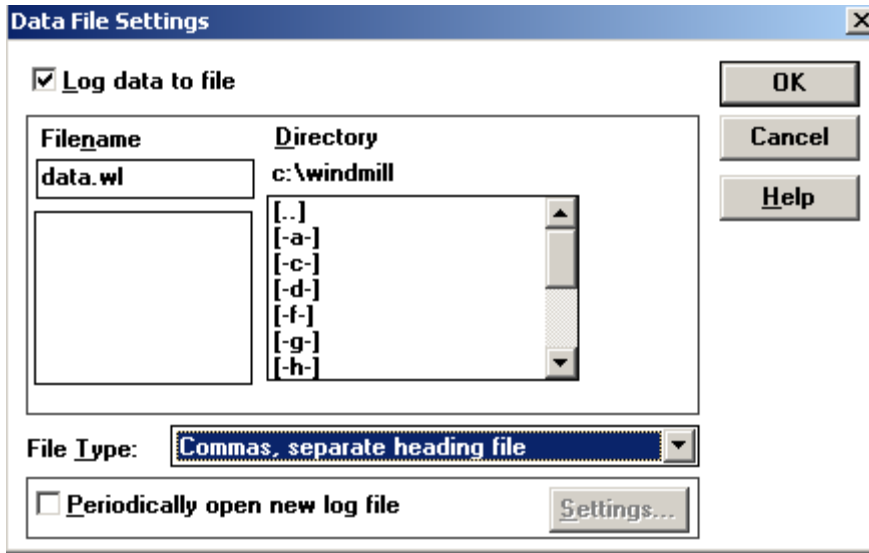


Click OK



On menu line : settings

Set the values. Note, 0.2 secs is the fastest Windmill can go with RS232 instruments.



On menu line : settings

For best performance, uncheck logging to screen and log only to file