

INSTRUCTIONS



If you are experiencing issues connecting your instrument to your PC, this guide will ensure you have the correct setup.

If you do not have full administrator rights (to make changes to settings in Device Manager), you will need to contact your IT administrator to obtain full permissions.

If you are using a RS232 to USB converter, then this could be the cause of the fault. We have found that some USB to RS232 converters do not work correctly. If you have a standard RS232 serial port on the back of your PC, please plug the instrument directly into this with the original shipped cable.

To check COM port number:

1. Open Device Manager
Windows 9x/2000/XP
Select Start > Run..., type 'devmgmt.msc' into the 'Open:' text box, click OK button
Windows Vista/7
Select Start, in the Search box, type 'Device Manager', it should appear in the results above, click to open)
2. Expand the section marked 'Ports (COM & LPT)'. This will show a list of ports on your PC followed by the COM number in brackets. The standard RS232 serial port (if you have one) on the back of your PC is normally listed as 'Communication Port (COM1)'

The COM port number must be 1 – 9 in order to work correctly. A USB to serial converter, will usually be listed as a virtual com port.

If the COM port number is not 1 – 9:

3. Follow steps 1 & 2 above.
4. Right click on the port which the instrument is connected to and select 'Properties'
5. Click on the 'Port Settings' tab
6. Click on the 'Advanced' button
7. Change the COM port number to anything between 1 and 9, do not use number which say (in use)
8. Click OK to save and exit back to the Device Manager window. The change to COM port number may not show until you close and re-open Device Manager (step 1).

Now that you know the COM port number and have successfully set it between 1 and 9, you need to instruct the measurement software to communicate on that COM port number.

To set COM port number from software:

ADAP

1. Open ADAP (default username/password is 'sadmin')
2. Select Setup > Instrument, wait for the program as it may try communicating at this point, ignore any possible error.
3. A window appears titled 'Instrument'
4. On the right hand side, set the Baud Rate to 9600
5. Set the COM port number to that set in the above steps
6. Set the instrument type to that of your instrument (For EZ Read 400, select '2010')
7. Click on 'Read Configuration' button
8. If the serial number and type values below the button are filled with numbers of the instrument, communication is successful
9. Click File > Save. All settings should now remain saved for future use.

Digiread

1. Select File > Properties
2. Select the COM port you wish to use from the 'Communication port' drop down menu.
3. Click 'Apply' button, followed by 'OK' button if you changed the port number.

KIM

1. Select Definition > Communication...
2. Select the COM port you wish to use from the 'Port' drop down menu
3. Click 'OK' button to exit and save settings

Mikrowin 2000

1. Select Installation > Driver
2. Double click on the instrument type you are using
3. Select the COM port you wish to use from the 'ComPort' drop down menu
4. Click 'OK' button twice to exit and save settings.

WinQC

1. Select Settings > Reader
2. Select the COM port you wish to use from the 'COM' drop down menu
3. Click 'OK' button to exit and save settings.

Advanced Setup

If communication still remains unsuccessful, the following may solve any issues. Please note these instructions are for advanced users which may require the use of your IT administrator.

Rights Management (For ADAP Users)

1. Ensure the user has 'Modify' and 'Write' rights to C:\Program Files\ADI

| Permissions for Users | Allow | Deny |
|-----------------------|-------------------------------------|--------------------------|
| Full Control | <input type="checkbox"/> | <input type="checkbox"/> |
| Modify | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Read & Execute | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| List Folder Contents | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Read | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Write | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

COM Port Settings

1. Ensure the desired COM port has the following settings:

| | |
|------------------|------|
| Bits per second: | 9600 |
| Data bits: | 8 |
| Parity: | None |
| Stop bits: | 1 |
| Flow control: | None |

USB to RS232 Adapters

We have found that some adapters do not work at all with our instruments. We are working closely with manufacturers to try and understand this issue further. We ask that you first try using the instrument with a PC fitted with a RS232 serial port before assuming that a problem exists with the instrument.

