

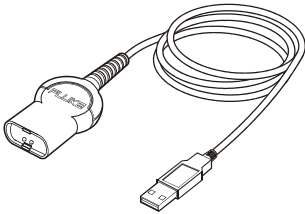
FLUKE®

OC4USB

Optical Cable for USB

Rev. II

Instruction Sheet



Specifications

Type of interface:

Optically isolated serial to USB adapter
Baud rate: 57.6 k Baud max

Logic States:

SPACE = 0, Light with wavelength 800 nm
MARK = 1, No light

Handshake method:

XON/XOFF, Software handshake only

Environmental:

Meets requirements of MIL-PRF-28800F
Type III, Class 3.
Temperature, Operating: -20 °C to +55 °C
Temperature, Storage: -20 °C to +70 °C

Mechanical:

Cable length: 1.65 m
Weight: 0.1 kg

Using the Interface Cable

PC Requirements

- USB 1.1 (or higher) port on the PC.
- Windows XP/2000/Me/98 Second Edition.

Installing the OC4USB cable drivers

- Log into an account with Administrator privileges (Windows XP or Windows 2000).
- Plug the USB cable into an USB port.
- Windows will respond that it has "found new hardware", and the Windows Found/Add New Hardware Wizard dialog will appear. Follow the instructions from the Wizard dialog.
- For automatic downloading of the latest drivers from the internet allow Windows XP or Windows 2000 to search Microsoft Windows update when asked. To load the drivers from CD-ROM the CD-ROM with the USB drivers (Included with cable or on FlukeView CD-ROM) must have been inserted.
- The Hardware Wizard will install the "USB Serial Converter"/"USB to Serial Port".

Note: for Windows XP users, you may get a dialog box warning you that this driver "has not passed Windows Logo Testing". Just click the "Continue anyway" button.

- Additionally the "found new hardware" wizard will run again and install the USB serial port.
- The Hardware Wizard will finish, the OC4USB cable drivers have now been installed.
- Your PC may need to reboot before the OC4USB cable can be used.

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Determining the OC4USB Cable's COM port

- Attach the cable to the PC.
- Go to the Windows Control Panel.
- Open the "System Properties" dialog box.
- Open the Device Manager:
 - On Windows 2000/XP, click on the "Hardware" tab of the "System Properties" dialog box and click on the "Device Manager" button,
 - On Windows 98SE/Me, click the "Device Manager" tab.
- On the "Device Manager" dialog box, look under the "Ports (COM & LPT)" tree.
- The COM port associated with the OC4USB cable is listed there, as "USB to Serial Port (COM n)".

Changing the COM port #

Some programs require COM 1, 2, 3 or 4 and the USB cable is often installed as COM 5 or higher. To change the assigned COM port number, do the following:

- Open Device Manager (see above).
- On the "Device Manager" dialog box, look under the "Ports (COM & LPT)" tree.
- Double click on the "USB Serial Port".
- Click on the "Port Settings" tab. Click on the "Advanced" button.
- Select the required COM port (NOTE: Choose one that does not say "in use" next to it). Click "OK".
- Click "OK" again. Notice that the device will show up as being on the same COM port that it was before (i.e., COM5), but will show up on the new port if you close the Device Manager and open it again.
- Close the Device Manager.

Uninstalling the driver

When uninstalling the driver from Windows, it should always be done through the Add/Remove Programs utility as this uses the driver uninstaller program to remove files and registry entries to leave a clean system. Other methods may leave fragments of the driver that may interfere with future installations.

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