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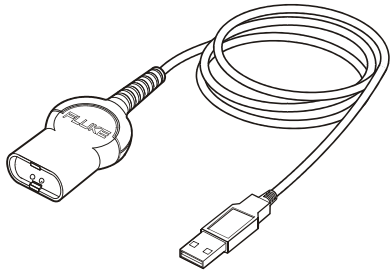


FLUKE®

OC4USB

Optical Cable for USB

Instruction Sheet



Specifications

Type of interface:

Optically isolated serial to USB adapter
Baudrate: 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-T-28800D Type III, Class 3.

Temperature Operating: -20 °C to +55 °C
Storage: -20 °C to +70 °C

Mechanical

Cable length: 1.65 m
Weight: 0.1 kg



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Using the Interface Cable

PC Requirements

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

Installing the USB-IR 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 Hardware Wizard dialog will appear.
- Insert the CD-ROM with the USB drivers (Included with cable or on FlukeView CD-ROM).
- Click the "Next>" button on the Hardware Wizard dialog
- The Hardware Wizard will find the drivers on the CD-ROM ("Prolific USB-to-serial bridge" on Windows XP/2000, or "USB to Serial Port" on Windows 98SE/Me).

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.

- The Hardware Wizard will finish, the USB-IR cable drivers have now been installed.
- Your PC may need to reboot before the USB-IR cable can be used.

Note on Windows XP/2000: if you attach the USB-IR cable to a different USB port on your PC, you will have to repeat the installation of the drivers.

Determining the USB-IR 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 USB-IR cable is listed there, as:
 - "Prolific USB-to-serial bridge" (Windows 2000/XP),
 - "USB to Serial Port" (Windows 98 SE/Me).

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.
- On the "Device Manager" dialog box, look under the "Ports (COM & LPT)" tree.

- Click on the "Port Settings" tab. Click on the "Advanced" button.
- On the bottom left side pull down the bar and select COM 1, 2, 3 or 4 (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.

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