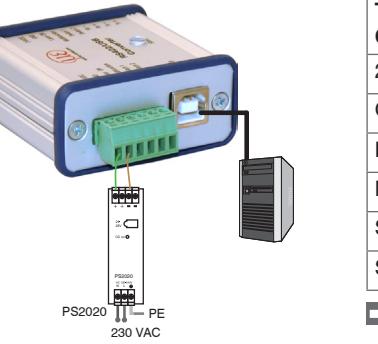


Wiring Recommendations

► Connect the converter to a power supply unit ¹, for example PS2020.

► Connect the converter to a free USB interface to start the driver installation, see Chap. Installation USB Driver, also.

1) Not required with optoCONTROL 2xxx sensors.



Connections for supply/control

Connections to 6-Pole Terminal Block	
Terminal Converter	
24 VDC	24 VDC
GND	GND
Laser ON	Laser ON
Multifunction	
Switch 1	
Switch 2	

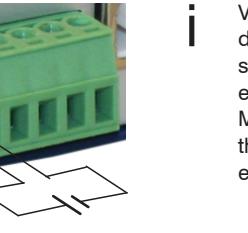
► Connect GND with Laser ON to permanently activate the laser light source in the sensor ¹.

Power Supply

Nominal value: 24 VDC

► Switch on the power supply unit ¹, once wiring is completed.

► Connect the 24 VDC and GND inputs at the converter with a 24 V power supply.



Supply voltage connection

i Voltage supply only for measuring devices, not to be used for drives or similar sources of impulse interference at the same time.
MICRO-EPSILON recommends using the optionally available PS2020 power supply unit.



MICRO-EPSILON

Setup Guide
IF200/1/USB
1-Channel RS422/
USB Converter

RS422 Connections to 10-Pole Terminal Block

Terminal Converter	ILD1220	ILD1420	ILD1900	ILD2300	ILD5500	ILD5500	ODC2520	ODC2700	ILR1171	ILR3800	IMS5x00	IFD2410/2415	IFC2411/2416	MFA-7/14/21/28	
	ILD1320						PC/SC2520-x	PC/SC2700-x	PC1171-x	PC3800-x	IMS5420	IFC2421/22	IFC2465/66	IFC2412/2417	
	24 VDC	Red	Red	Red	White	Red	Red	Red	Red	Red	2	Rot	2	Brown	
	GND	Blue	Blue	Blue	Brown	Blue	Blue	Black	Blue	Red/Blue	Blue	Yellow	Blue	Blue	White
	Laser ON	Black	Black	Black	-	Black	Black	-	-	-	-	-	-	-	-
	Multifunction	Purple	Purple	Purple	-	Purple	-	-	-	-	-	-	-	-	-
	Switch 1	Brown	Brown	Brown	-	Brown	-	-	-	-	-	-	-	-	-
	Switch 2	n.c.	n.c.	White	-	White	-	-	-	-	-	-	-	-	-
	Rx-	Pink	Pink	Pink	Purple	Pink	Pink-black	Yellow	Gray	Yellow	Pink	White	Yellow	Black	Blue
	Rx+	Gray	Gray	Gray	Black	Gray	Gray-black	Gray	Pink	Green	Gray	Gray	Green	Purple	Red
	Tx-	Yellow	Yellow	Yellow	Red	Yellow	Yellow-black	Green	Yellow	Pink	Brown	Green	White	White	Pink
	Tx+	Green	Green	Green	Blue	Green	Green-black	Brown	Green	Gray	White	Brown	Brown	Brown	Gray

2) Supply voltage is supplied individually.



Installation of USB Driver

► Install the corresponding FTDI Virtual COM Port Driver before you use the converter for the first time.

You can find the current driver at:

https://www.micro-epsilon.com/fileadmin/download/software/FTDI_VCP_Driver.zip

► Now install the driver as follows:³

► Unpack the driver (.zip file).

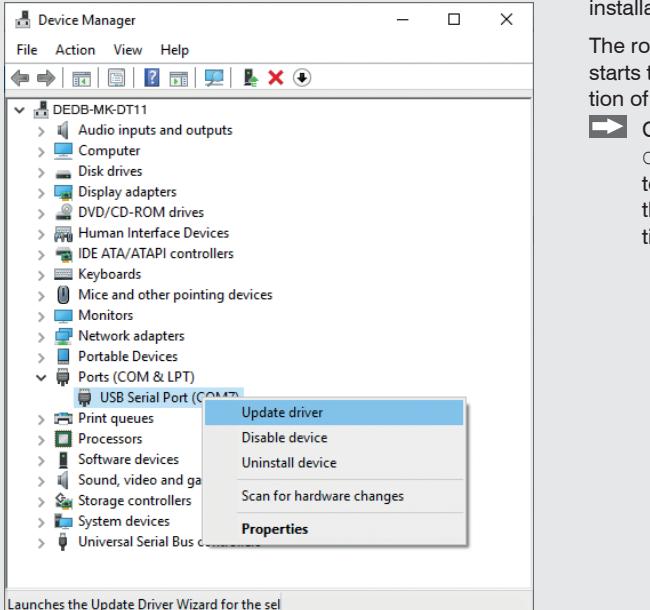
► Connect the sensor/controller with the USB converter.

► Connect the USB converter with a free USB port of a PC/notebook.

► Connect the converter with a power supply.

► Start the device manager under Control Panel > Hardware and Sound > Devices and Printers > Device Manager.

► Right-click the entry USB Serial Port and select Update driver.



3) Valid for Windows 10

A window opens where you can choose among two possibilities:

Automatic Installation

► Choose

Search automatically for updated driver software.

How do you want to search for drivers?
→ Search automatically for updated driver software
Windows will search your computer and the Internet for the latest driver software for your device, unless you've disabled this feature in your device installation settings.
→ Browse my computer for driver software
Locate and install driver software manually.

Cancel

Windows will search your computer and the internet for the latest driver software for your device, unless you have disabled this feature in your device installation settings.

The routine now starts the installation of the driver.

► Click on the Close button to complete the installation.

Windows has successfully updated your drivers
Windows has finished installing the drivers for this device:

USB Serial Port

Close

Manual Installation

Locate and install the driver software manually.

► Choose

Browse my computer for driver software for driver software.

How do you want to search for drivers?
→ Search automatically for updated driver software
Windows will search your computer and the Internet for the latest driver software for your device, unless you've disabled this feature in your device installation settings.
→ Browse my computer for driver software
Locate and install driver software manually.

Cancel

Now use Browse to find the driver in the path where you saved it when you downloaded it from the web page.

► Go to Next.

The routine now starts the installation of the driver.

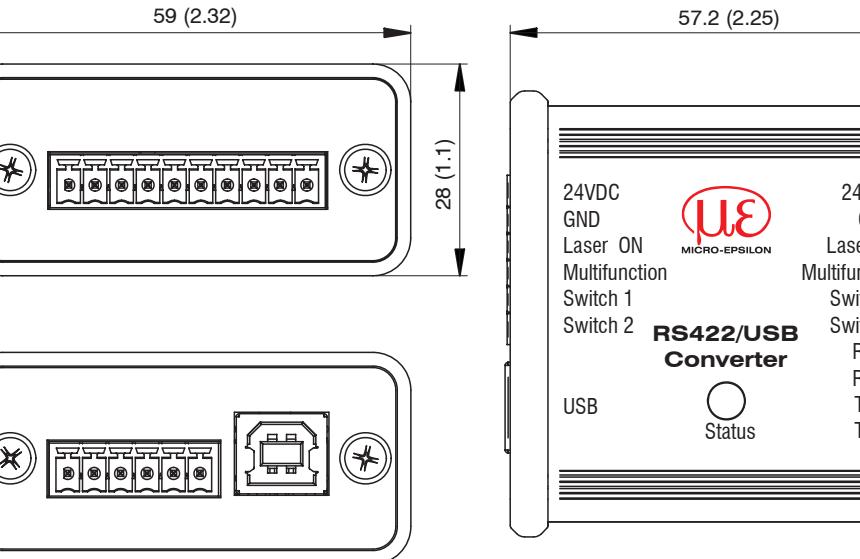
► Click on the Close button to complete the installation.

Windows has successfully updated your drivers
Windows has finished installing the drivers for this device:

USB Serial Port

Close

Dimensional Drawing



Dimensions in mm (inches)

Unpacking, Included in Delivery

1 IF2001/USB converter

1 USB cable

1 Assembly instructions

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