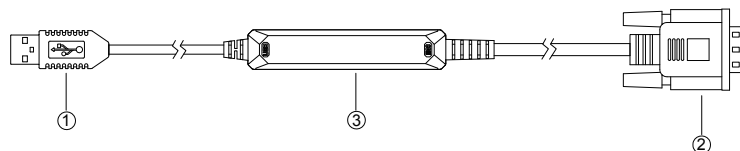


USB-CONVERTER CABLE

Overview

The USB CONVERTERCABLE has a built-in RS232 interface accessible via the D-SUB 9 male connector communicates between any USB compliant host system and Cermate HMI equipped with built-in RS232 interface.

Hardware design of the USB-CONVERTER CABLE



- ① USB interface
- ② D-SUB 09M (RS-232) interface
- ③ Converter

Specifications

Operating temperature range: 5 to 40°C
 Storage temperature: -20 to +70°C
 Total cable length: 2 meters
 USB version: version 1.1
 Optical isolation: no
 Serial interface RS-232, D-SUB 9 male plug compatible with Cermate H.M.I COM1

Max current: 120mA at 5VDC
 Max humidity: 85%

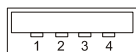
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Connections

D-SUB 09M (RS232) interface

Pin	Name	Description
1	None	
2	TX	Positive TX (RS-232)
3	RX	Positive RX (RS-232)
4	None	
5	GND	Ground
6	None	
7	None	
8	None	
9	None	

USB interface



Pin	Name	Description
1	VCC	+5V
2	D-	Data -
3	D+	Data +
4	GND	Ground

Installation

D-SUB 9 male connector: The Cermate HMI has a built-in 9 Female connector accessible from the rear side of the device.
 USB connector: The USB convertercable requires to connect with PC that equipped with any standard USB Type A port compliant with Universal Serial Bus Specification 1.1.

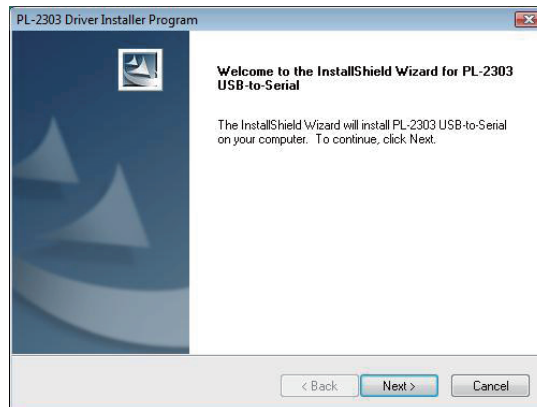
The proper operation of the interface in the computer requires the installation of a device driver. The device driver can be downloaded from the following link:
<http://www.cermate.com/>

The file to be downloaded is the one identified with "UR42 Driver".

System requirements for driver installation:
 Pentium II or higher
 Windows 98/ME/NT/2000/XP/vista
 64MB RAM
 1GB hard disk space

The driver comes in a self-installing executable file with the name "UR42.exe"; the installation of the driver must be done BEFORE connecting the converter to the USB port of the computer.

To install the driver, launch the UR42.exe executable file, then follow the instructions on screen. You must accept the terms of the license agreement to complete the installation procedure.

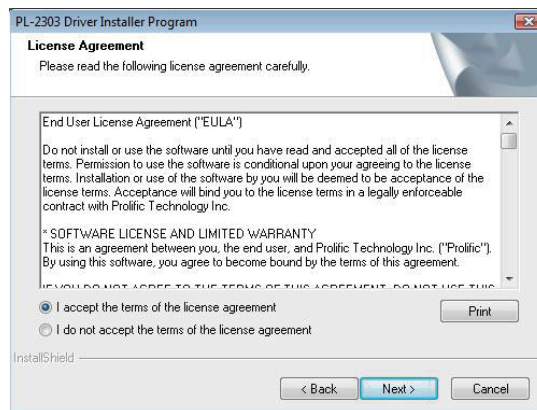


Click "Next", start to install the PL-2303 USB-to-Serial driver for the UR23 product

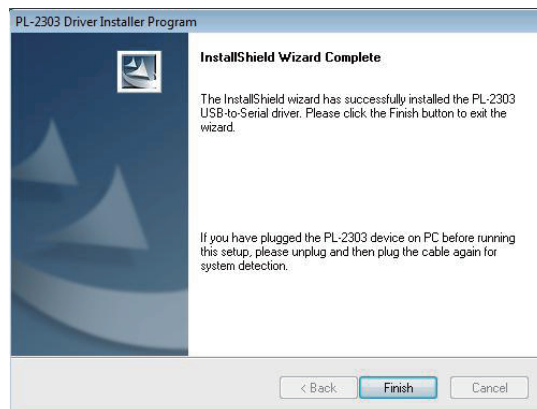
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Select "I accept the terms of the license agreement" and then click "Next"



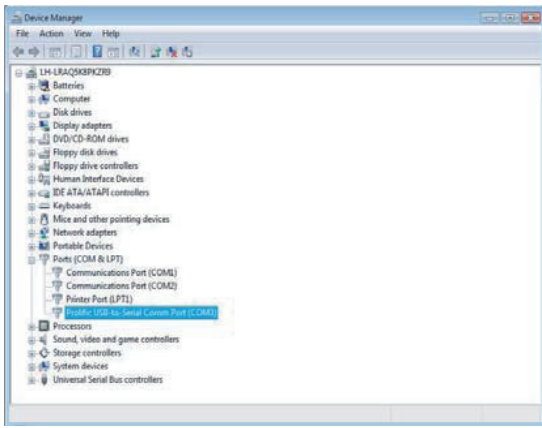
Click "Finish" to complete the installation, now you can plug the converter to the USB port of the computer.

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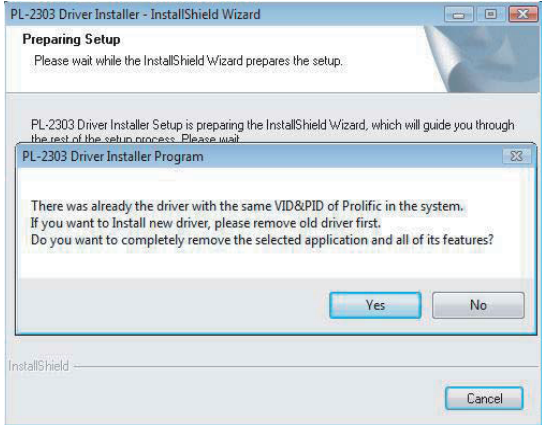
4

You can check the Device Manager to see the **Prolific USB-to-Serial Comm Port(Com Port)**

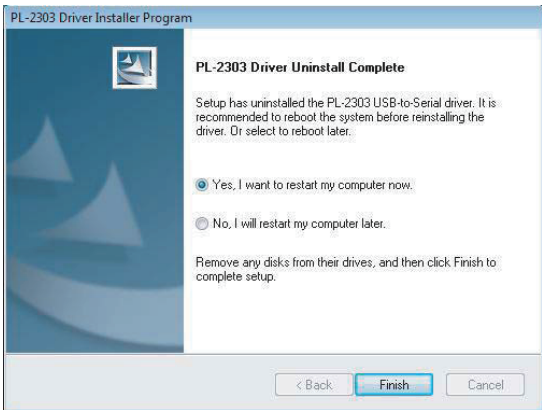


Uninstalling the device Driver

If you want to remove the USB-CONVERTER CABLE device driver, follow the steps:
Launch the "UR42.exe" executable file. It will show a window to ask if you want to completely remove the selected application and all of its features?



Please Click "YES" to remove the device Driver.




Click "Finish". The device Driver uninstall completed.

Technical Safety Notes

Qualified personnel

The device should only be used by qualified personnel. Qualified personnel as referred to in safety guidelines in this documentation are persons who are authorized to commission, ground, and tag circuits, equipment, and systems in accordance with established safety practice.

 The equipment/system or the system components may only be used for the applications described in this manual, and only in combination with the equipment, components, and devices of other manufacturers as far as this is recommended or permitted by Cermate.

The product will function correctly and safely only if it is transported, stored, set up, and installed as intended, and operated and maintained with care.

Warnings

- Do not use this product near water or install it in areas subject to excessive dust, oily mist, conductive dust, corrosive gas and flammable gas.
- Do not mount this product on the an unstable location.
- Do not mount this product subject to high temperature, moisture, or rain.
- To avoid damage of internal components, do not place the product on a vibrating surface.
- Your device and its enhancements may contain small parts. Please keep them out of the reach of small children.

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Indicated loss of life, severe personal injury, or substantial property damage will result if proper precautions are not taken.

Disposal Instructions

Do not throw this electronic device into the trash when discarding. To minimize pollution and ensure utmost protection of the global environment, please recycle.

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Note: USB-CONVERTER CABLE is not applicable to WEEE. The converter cable is only used for Industrial PLC and not used for IT or consumer products.

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