

Features

The USB-Convertercable provides bi-directional connectivity between any standard USB compliant host system and Siemens S7-200 PLC with built in RS485 interface accessible via the D-SUB 9 female communication port.



TC-USB-485-9P

TC-USB-485-RJ45

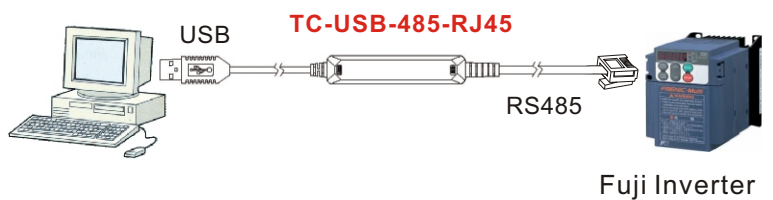
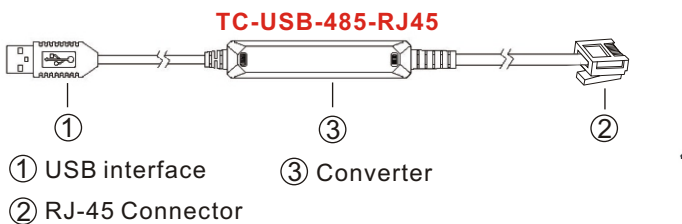
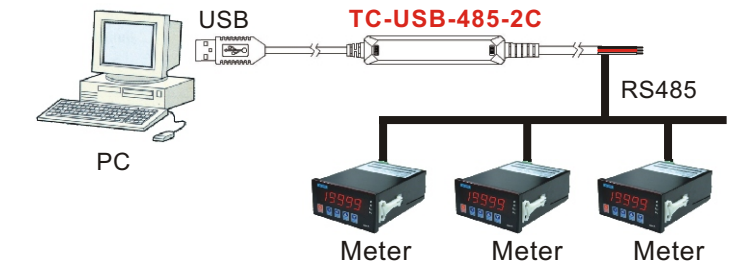
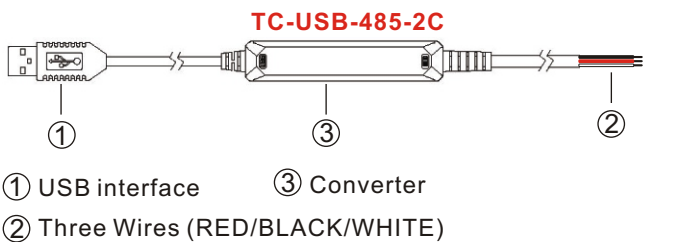
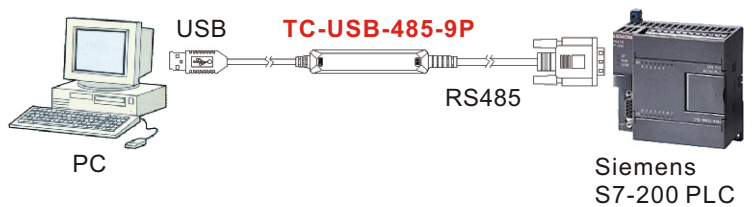
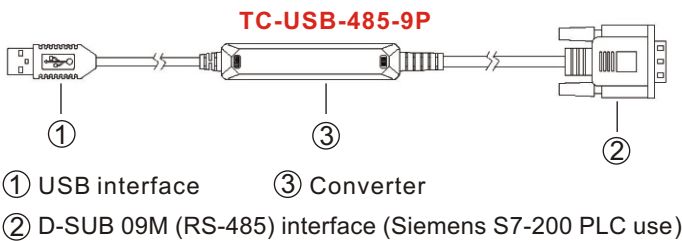
TC-USB-485-2C

Specifications :

- Operating temperature range: 5 to 40
- Storage temperature: -20 to +70
- Total cable length: 2 meters
- Serial interface RS-485, D-SUB 9 male plug compatible with Siemens S7-200 PLC
- Max current: 120mA at 5VDC
- USB version: version 1.1
- Optical isolation: no
- Max humidity: 85%

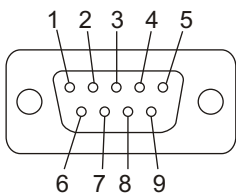
Hardware design of the USB-Convertercable :

Connecting System:



Connection :

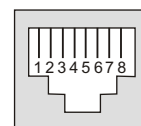
D-SUB 09M (RS485) interface



TC-USB-485-9P

Pin	Name	Description
1	None	
2	None	
3	TX/RX+	Positive TX/RX (RS485)
4	None	
5	GND	Ground
6	None	
7	None	
8	TX/RX-	Negative TX/RX (RS-485)
9	None	

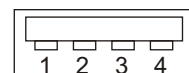
RJ-45 Connector



TC-USB-485-RJ45

○	1	Vcc
○	2	GND
○	3	NC
○	4	DX-
○	5	DX+
○	6	NC
○	7	GND
○	8	Vcc

USB interface :



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

General : Three Wires (RED/BLACK/WHITE)



TC-USB-485-2C

Color	Name	Description
RED	GND	Ground
WHITE	TX/RX-	Negative TX/RX (RS-485)
BLACK	TX/RX+	Positive TX/RX (RS485)