

## **PPI (RS485) - USB (virtual RS232) interface for Siemens Simatic S7-200 PLC**

**This version of the converter is galvanically isolated!**

### **What is an USB virtual RS232 COM PORT?**

The provided drivers generate after the installation in your system a virtual interface RS232 COM (from COM3). After the connection of the interface with a USB slot is it automatically recognised and the COM number is released in Windows device manager.

This COM number must be updated only in the configuration of the software applications.

The virtual interface COM behaves compared with the software applications just as a normal physical interface RS232 COM would also do this.

With this interface converter you can operate your terminal equipments, which was operated up to now in the physical interface RS232 COM also in an USB connection furthermore.

### **Product description:**

The cable is 5.0m long and ready for connection to USB 1.1, USB 2.0, or USB3.0 port of the PC.

The power supply is supplied by the USB port and the S7-200 PLC.

Connection to the PLC is with a 9-Pin metallised ABS-plastic plug with long screws for fast locking.

The electronic components are damp protected fitted in a small (BTH 55x30x25mm) case.

The professional construction is practically approved and mechanically absolutely stable.

Being a PLC technician I can recommend the cable also for rough service use.

The power supply of the PLC and the data flow (send/TxD and receiving/RxD) is indicated by LED.

The optical indicator of the data communication direction can substantially facilitate an error tracing!

To guarantee highest mechanical and electrical reliability, the complete electronics is embedded in epoxy resin. Thereby it is before mechanical, as well as before environmental factors protected. Therefore are in any case excluded the malfunctions which could originate from vibration or dampness.

**Each converter is tested in our outgoing test with a PLC!**

### **Functionality:**

The converter works with following CPUs of Siemens S7-200 series:

CPU 215, 216, 221, 222, 224, 226, 226XM (9.6k and 19.2k with all firmware revisions)

CPU 214 (9.6k, 19.2k only with firmware rev. 1.10 and 1.11)

CPU 212 (9.6k, 19.2k only with firmware rev. 1.10)

CPU 210 does only support 9.6k

The PPI cable works with data rates of 9.6kbps and 19.2kbps as well as easily with the Freeport. The transfer speed of the PLC is automatically recognised, it requires no settings.

**(Attention: The cable is not suited for S7-300 and S7-400 series)**

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