S117P1

RS232/USB, TTL/USB, RS485/USB ASYNCHRONOUS SERIAL CONVERTER, PORTABLE VERSION

Highlights

- **Direct power supply from USB port**
- **Interfaces USB ↔ TTL-RS232-RS485**
- **Direct connection of serial peripherals**
- **Front LED status indicators**
- **Drivers available for Windows, macOS, Linux platforms**
- **Galvanic isolation @ 1.5 kVac**
- **Automatic time direction change**
- **Power supply (12 Vdc @ 100 mA) for external modules via terminals**

S117P1 is a multi-function instrument: serial converter, isolator signal and programming kit. It enables asynchronous conversion of RS232 / RS485 / TTL type, using a USB port on the PC. The serial interface is handled by the operating system as a standard system serial port, allowing the use of the product in direct way through any software that can communicate with the standard serial ports made available by the operating system (COM1, COM2 etc.). RS232, RS485 and TTL ports are also electrically isolated from the USB port, allowing you to remove many electrical noise problems that can occur due to example when the connected equipment is far away from the PC. S117P1 ensures full compatibility with Windows operating systems Windows Server, Windows CE, Linux, Mac OS X.

S117P1 has an internal power supply available at the terminals that can be used to power a Seneca module or another manufacturer. The product is supplied with USB-MiniUSB cable, serial cable Jack-DB9F and RJ10-AMP programming cable.

100% Made & Designed in Italy

SENECA

www.seneca.it

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ISOLATION DIAGRAM
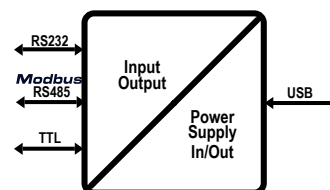
TECHNICAL DATA

GENERAL DATA

Power supply	Through USB port on the PC
Power consumption	Max 0,35 W (50 mA)
Power transducers	12 Vdc@100 mA
Isolation	1.500 Vac (USB // RS232 / TTL / RS485)
LED status indicators	Power supply Data transmission Data reception
Connectors	Mini USB B RS232 - DB9-M TTL - RJ10 RS485 5-pin connector
O.S. supported	Windows 10/8.1/8/7, Vista, XP; Windows Server 2016, 2012 R2, 2012, 2008 R2, 2008, 2003; Linux kernel 3.0.0-19 or later; Mac OS X 10.3 or later, Mac OS 9, Mac OS 8; Windows Mobile 6.5/5, Windows Mobile 2003SE/2003; Windows CE 2013, Windows CE 7.0/6.0, Windows CE 5.2-4.2
Protection degree	IP20
Operating temperature	-20..+65°C
Dimension	90 x 50 x 25 mm
Weight	50 g
Case	ABS
Execution	Portable (desktop)
Equipment	CD with driver; USB and serial connection cables

COMMUNICATION

Serial interface	RS232 RS485 (max 32 nodes)
USB interface	Mini USB compatible with USB 1.0, 1.1, 2.0 ports
Change of direction	Automatic timed
Supported protocol	ModBUS RTU
Data rate	Da 300 bps a 250 kbps

STANDARD

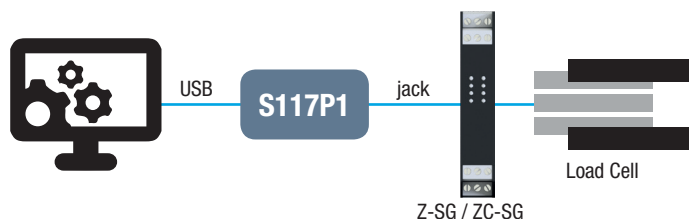|	
Approvals	CE
Norms	EN 61000-6-4, EN 61000-6-2, EN 61010-1

EQUIPMENT

1. **S117P1** - Asynchronous serial converter RS232/USB, TTL/USB, RS485/USB, portable version
2. **Support CD**
3. **CS-JACK-DB9F** - Programming serial cable
4. **CS-RJ10-AMP** - Special programming cable for T120 / K120RTD
5. **CU-A-MINIB-2** - USB-A Mini USB-B 5 P cable, 2 meters

APPLICATION EXAMPLES

CONNECTION FOR STRAIN GAUGE MODULE CONFIGURATION

SERIAL CONVERSION AND INTERFACE

CONNECTION FOR TEMPERATURE TRANSMITTER CONFIGURATION

ORDER CODES

Code	Description
S117P1	RS232/USB, TTL/USB, RS485/USB serial converter with cables and CD drivers
CS-JACK-DB9F	Serial programming cable
CS-RJ10-AMP	Special rogramming cable for T120 / K120RTD
CU-A-MINIB-2	USB-A Mini USB-B 5P plug cable, 2 meters