

## CONVERTER USB/RS485 **AMCV U4**

### Application

Converter **AMCV U4** is used for serial communication (readout, parametrizing and setting) using infrared communication between static smart electricity meters (or other equipment) with RS485 interface on one side and PC or RPT (manual computer terminal) equipped with USB interface on the other side.



### Description

**AMCV U4** converter is designed as plastic box with flexible cable (LiYCY 4 x 0,14). At one end, there is a USB connector to connect to the PC and at the other end there are loose wires A and B with terminals suitable for the RS485 interface. The galvanically isolated converter allows data transfer with insulation strength up to 1 kV.

### Properties

- Converter enables cheap and simple solution of AMR system or electricity meters testing;
- RS 485 interface enables remote connection;
- Does not need its own supply source.

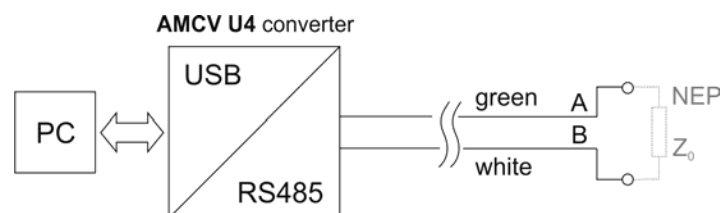
### Technical data

<b>Transmission speed</b>	300 Bd up to 19200 Bd
<b>Data transmission</b>	half-duplex
<b>Supply</b>	from USB interface
<b>Insulation strength</b>	max. 1 kVdc
<b>Weight</b>	0,2 kg
<b>Length of line wire</b>	max. 300 m, twisted pair, 65 pF/m
<b>Temperature range</b>	- 20 °C up to +50 °C

### Description of output signals

Output	Signal	Wire color
with higher potential	<b>A</b>	green
with lower potential	<b>B</b>	white

### Converter connection



**Note:** Load impedance 120 Ohm is installed only when required by the customer.

### Marking of converter

#### AMCV U4

**AMCV** .... designation of a type

**U4** ..... interfaces: **U** –USB interface, **4** – RS 485 interface (galvanically isolated)

### Ordering data

Specification of type and version, number of pieces.