

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 USB flexible cable (LiYCY 4 x 0,14) for connection to PC on one side and on the other are loose wires A and B with wires ends, suitable for terminal block 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.

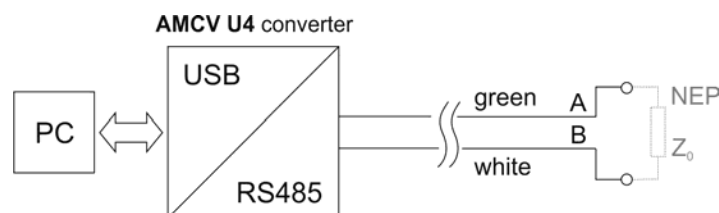
Technical data

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

Description of output signals

Output	Signal	Wire color
with higher potential	A	green
with lower potential	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.