



## TRANSDUCER USB <> RS 232/485

- Galvanic separation: 2,5 kVAC
- Rate < 921,6 kBaud
- Compact design

## OM USB-RS II

Galvanically separated transducer of USB bus to serial lines RS 232/485.

The output lines RS 232 and RS 485 have galvanic connection and via excitors they are connected to one UART. Therefore it is possible to use always one output only.

### OPERATION

For correct operation of the transducer kindly download the drivers, which are available on our website

[www.merret.cz/en/produkty/pristroje-pro-mar/prislusenstvi/om-usb-rs](http://www.merret.cz/en/produkty/pristroje-pro-mar/prislusenstvi/om-usb-rs)

## TECHNICAL DATA

### FUNCTIONS

#### Connection with PC

Type	USB 2.0
Rate	12Mb
Connection	connector USB-A

#### Data output

Type	RS 232, RS 485
Rate	< 460 800 Baud - RS 232 < 921 600 Baud - RS 485
Connection	connector terminal blocks, section < 1,5 mm <sup>2</sup>

#### Signalling

Type	color LED in transducer
USB	Indication of power supply from USB, green
TxD	Transmission indication, yellow
RxD	Indication of reception, yellow

### POWER SUPPLY

Fixed: 5 VDC/100 mA, powered from USB

### MECHANIC PROPERTIES

Material: PC, incombustible UL 94 V-0, blue

Dimensions: 50 x 24 x 14mm (w x h x d)

### OPERATING CONDITIONS

Connection: USB-A, connector terminal blocks, section < 1,5 mm<sup>2</sup>

Working temperature: 0°...60°C

Storage temperature: -10°...85°C

ESD: 15 kV

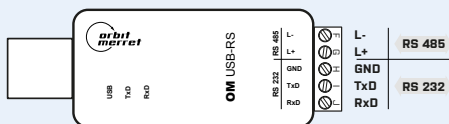
Dielectric strength: 2,5 kVAC per 1 min test between input and output

Insulation resistance: for pollution degree II, measuring cat. III

Input/output > 300 V(PI), 150 V(DI)

PI - Primary insulation, DI - Double insulation

## CONNECTION



## ORDER CODE

**OM USB-RS II**