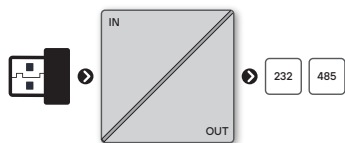


OM USB-RS II

- Galvanic separation 2.5 kVAC
- Rate < 921.6 kBaud
- Compact design

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.

TRANSMITTER USB <> RS 232/485



OPERATION

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

www.orbitmerret.eu/en/om-usb-rs-ii

TECHNICAL DATA

FUNCTION

Connection with PC	
Type	USB 2.0
Rate	12 Mb
Connection	connector USB-A
Data output	
Type	RS 232 RS 485
Rate	RS 232 < 460.8 kBaud RS 485 < 921.6 kBaud
Connection	connector terminal blocks, section < 1.5 mm²
Signalling	
Type	color LED in transducer
USB	green indication of power supply from USB
TxD	yellow transmission indication
RxD	yellow indication of reception

POWER SUPPLY

Fixed	5 VDC/100 mA, powered from USB and OM instrument
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MECHANIC PROPERTIES

Material	PC, incombustible UL 94 V-0, blue
Dimensions	50 x 24 x 14 mm (w x h x d)

OPERATING CONDITIONS

Connection	connector terminal blocks, section < 1.5 mm²
Working temperat.	0°...60°C
Storage temperat.	-10°...85°C
Working humidity	< 95 % r.v., non condensing
Protection	IP00
ESD	15 kV
Dielectric strength	2.5 kVAC per 1 min test between supply and output
Insulation resist.*	for pollution degree II, measuring cat. II power supply > 300 V (PI), 150 V (DI)
RoHS	EN IEC 63000:2018

* PI - Primary insulation, DI - Double insulation

CONNECTION

ORDER CODE

OM USB-RS II

