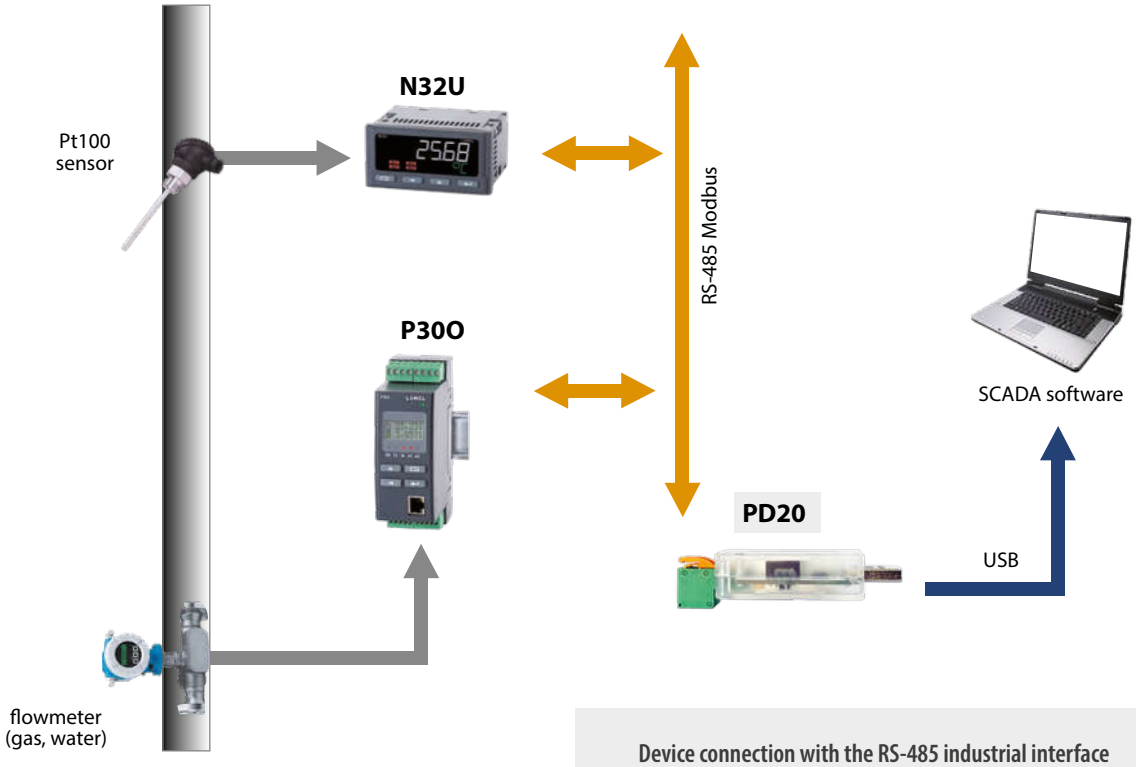


PD20

USB/RS-485 INTERFACE CONVERTER

- In PD20 converter are used 2 interfaces (USB, RS485) - galvanically isolated.
- USB interface (type A) – destined for the device communication with the computer.
- RS-485 interface - destined for the communication with devices from the object side.
- Compliance with the standard USB 1.1 and USB 2.0.
- Data transmission rate up to 115.2 kbps.
- Support virtual serial port (COM).
- Bi-directional data transmission (half duplex).
- Device supplied from USB port.
- Converter does not interfere into the structure of data transmission and is compatible with many industrial communication protocols.

APPLICATION EXAMPLE



Device connection with the RS-485 industrial interface to the PC computer with USB interface.

PD20 - USB/RS-485 INTERFACE CONVERTER

FEATURES	INPUT	OUTPUT	GALVANIC ISOLATION
Supply from USB port	RS 485	USB	USB ‖ RS 485

TECHNICAL DATA

DIGITAL INTERFACE

Interface type	Baud rate	Steering of the data flow direction	Drivers	USB standard
RS-485 / USB	up to 115.2 kbps	automatically	Windows XP/Vista/7/8/8.1/10/11, Windows Server 2003/2008/2012/2016/2019/2022 (32 / 64 bit)	USB 2.0 (Full Speed)

EXTERNAL FEATURES

Weight	ca. 20 g	
External dimensions	76 x 25 x 20 mm	
Protection grade (acc. to EN 60529)	housing: IP40	terminals: IP20
Housing	portable	

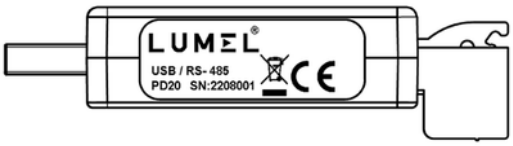
RATED OPERATING CONDITIONS

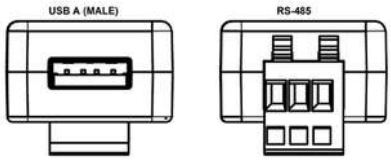
Supply voltage	5 V d.c. collected from the USB port	Pobór mocy ≤ 1,5 VA
Galvanic seperation	USB/RS-485	2.2 kV
Temperature	ambient: 0...40°C	storage: 0...70°C
Relative humidity	85%	without condensation
Operating position	any	

SAFETY AND COMPATIBILITY REQUIREMENTS

Electromagnetic compatibility	Noise immunity	acc. to EN 61000-6-2
	Fastness against supply decays	acc. to EN 61326-1 (Table 2)
	Emission of radio electric perturbations	acc. to EN 61000-6-4
Pollution level	2	acc. to EN 61010-6-1
Maximum phase-to-earth operating voltage	< 50 V	acc. to EN 61010-6-1

CONNECTION DIAGRAMS





ORDERING CODE

Code	Description
PD20 00M0	Interface converter USB/ RS-485; documentation and descriptions in Polish and English version, test certificate

PD20-19_en

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