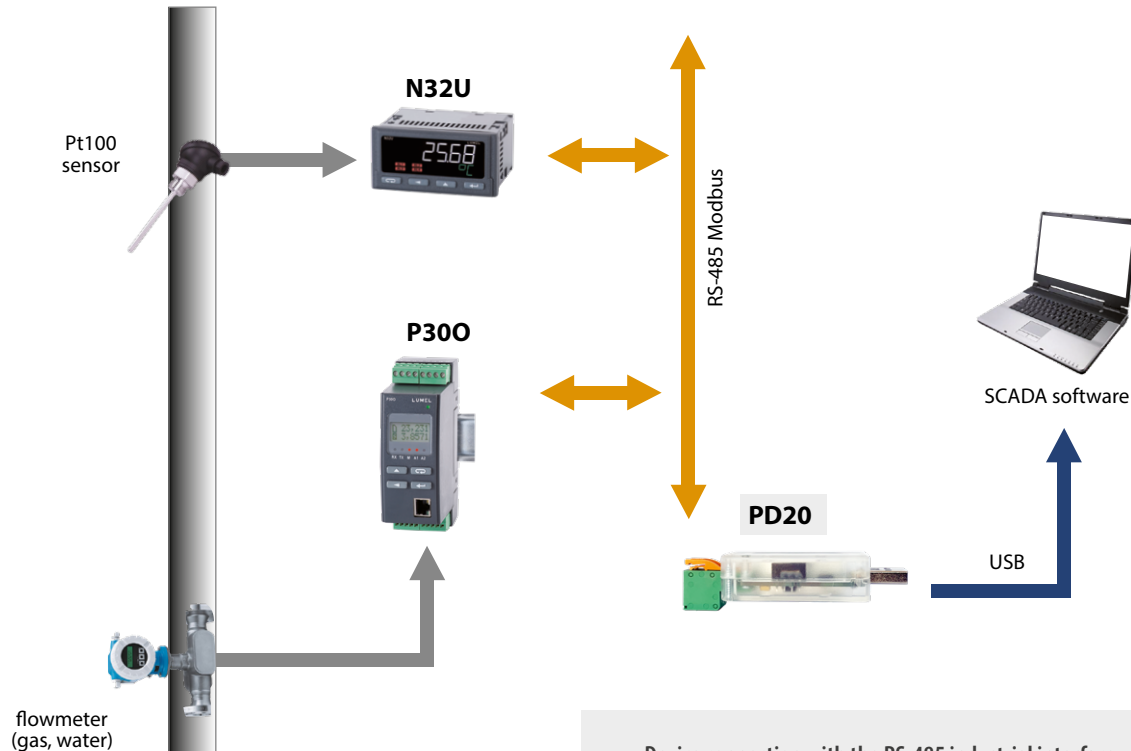


PD20 USB/RS-485 INTERFACE CONVERTER

- 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	

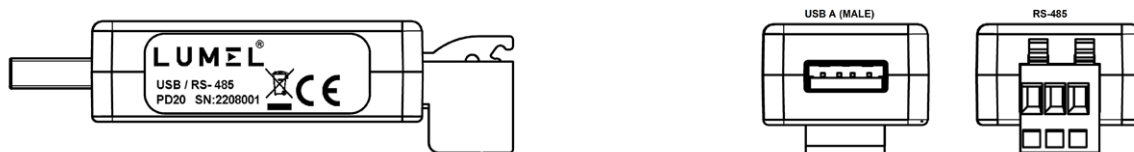
RATED OPERATING CONDITIONS

Supply voltage	5 V d.c. collected from the USB port	Pobór mocy ≤ 1,5 VA
Galvanic separation	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

LUMEL S.A.
ul. Słubicka 4, 65-127 Zielona Góra, Poland
tel.: +48 68 45 75 100, fax +48 68 45 75 508
www.lumel.com.pl

Export department:
tel.: (+48 68) 45 75 130, 45 75 131, 45 75 132
e-mail: export@lumel.com.pl

Technical support:
tel.: (+48 68) 45 75 143, 45 75 144, 45 75 145
e-mail: export@lumel.com.pl

Calibration & Attestation:
e-mail: laboratorium@lumel.com.pl