RSD

Universal serial data recorder

RSD

Data recording from RS232 in
internal memory with a capacity of 16 GB

Downloading data to PC
via Ethernet,
RS 232, USB

Power supply
12~24 VDC

PC software
for configuration

Housing made
of aluminum

RSD
Designed to work in industry

GS SOFTWARE

RSD – UNIVERSAL SERIAL DATA RECORDER

RSD is a modern, self-contained, ready-to-run simple electronic device for recording any type of data sent from RS 232 serial port. Receiving single data frame at a time is signaled by a brief flash of led diode or through steearing solid state relay - with timely programmed response set earlier in configuration. Saved data frames can be quickly transmitted to dongle or PC. The encoded results can be comfortably viewed thanks to enclosed configuration software.

Main functions of the RSD recorder

- Recording of data incoming to the RS232 port
- Recording of data frames upon activation of the digital input in RSD
- Recording of data frames within defined time intervals
- Possibility to send frames (requests) to the RS232 port within defined time intervals or upon activation of the digital input
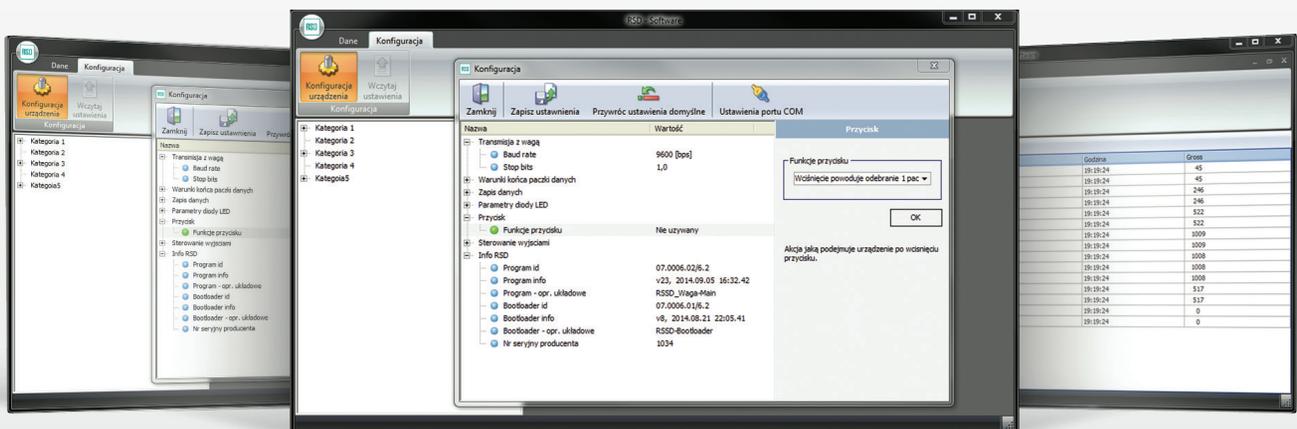- Possibility to control external diode or a digital output

DEDICATED SOFTWARE

The computer software is delivered along with the recorder. The software allows to configure the recorder, read, export and display recorded data. It includes a graphics editor, by means of which the user can define the location of data in question on the incoming transmission frame. Owing to that, retrieving information, being a smaller part of a whole recorded transmission, can be easy.
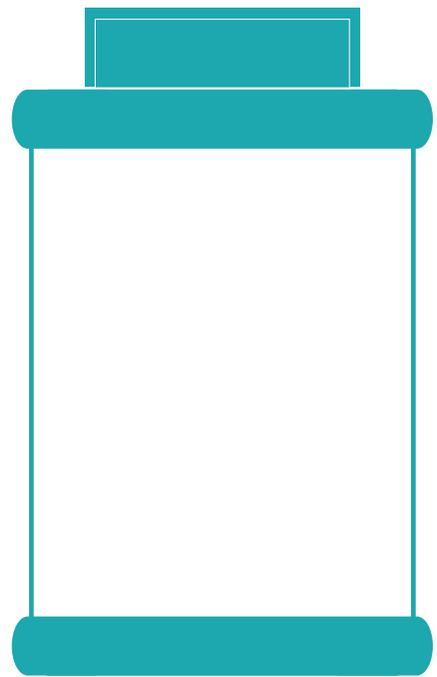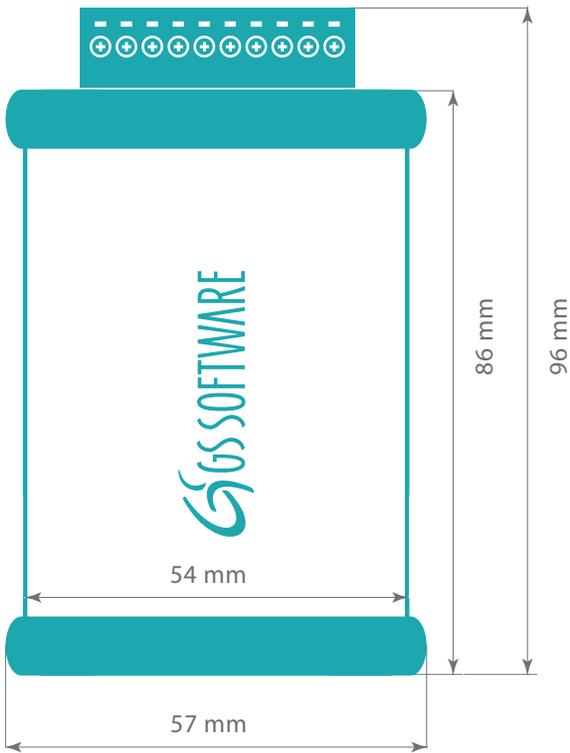
By means of the RSD software, the user can:

- Read recorded data (upon their prior saving on the USB key)
- Transfer of recorded data to PC via TCP / IP, RS 232
- Analyse data gathered in the memory of the RSD device
- Retrieve data from transmission frames recorded in the RSD memory
- Export data to the csv, txt formats
- Easy configuration

RSD DIMENSIONS

39 mm

86 mm

96 mm

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54 mm

57 mm

23 mm

26 mm

RSD (RS-232)

RSD (RS-232 + Ethernet)

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TECHNICAL SPECIFICATION

CATEGORY	PARAMETER
USB	
Accordance	USB 1.0/1.1
Compatibility	USB 2.0, 3.0
Connector	USB, type A – port
File format	FAT 32
Digital inputs / outputs	
Number of digital inputs	1
Type of digital input	Voltage free
Number of digital outputs	2
COMMUNICATION INTERFACE TO THE DEVICE	
Interface type	RS-232 (only line RX, TX, GND)
	Possibility of RX line operation in TTL mode
Connection type	Screw terminal connector
Transmission rate	1200 bps to 115200 bps
Stop bit	1,2
COMMUNICATION INTERFACE TO PC (download of saved data)	
Interface type	RS-232 (only line RX, TX, GND)
Interface type (*option)	Ethernet
CHARACTERISTICS	
Power supply	12~24 VDC (max 300mA)
Memory capacity	16 GB
The minimum time between recorded frames	50 ms
Weight	40 g
Dimension (in housing)	86x57x26 mm
Housing material	Anodized aluminum
IP rate	IP 40
Working temperature	From - 20 to 50 C

ORDERING INFORMATION	
PRODUCT	**ORDERING KEY**
RSD (RS-232)	HDW-RSD
RSD (RS-232 + Ethernet)	HDW-RSD-ETH
Housing	HDW-RSD-BOX

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