

RESI.MBUS.PRODUCTS

Easy integration of smart meters in your facilities



With our MBUS gateways and level converters, we deliver high sophisticated products to collect meter data with a MBUS interface.

MODBUS RTU Slave

To be able to integrate our products into as many control products as possible, we offer MODBUS/RTU slave on RS232/RS485 as an interface protocol.

Our gateways are able to read different numbers of meters:

- RESI-MBUS-LEVEL: 24 meters
- RESI-MBUS-MODBUS: 8 meters
- RESI-MBUS2-MODBUS: 24 meters

Brand new RESI products are:

- RESI-MBUS3-LEVEL: 48 meters
- RESI-MBUS3-MODBUS: 48 meters
- RESI-MBUS2-MODBUS: 2 meters



EXTREMELY COMPACT DESIGN

The dimensions of our gateways are 17,5mm length x 90mm width and 58mm height. Therefore they are suitable for every control cabinet.

RS232 and RS485

All our gateways have both serial interfaces on board. The interface is selectable with a dip switch.

SOPHISTICATED SOFTWARE

Since 2004 we are developing MBUS gateways. Our PC configuration software as well as our module firmware is very well engineered and is able to work with different kinds of meter manufacturers.

ADDRESSING OVER PRIMARY OR SECONDARY ADDRESS

Our gateways support both kinds of MBUS addressing: scanning (query) of the meters can be done with the primary address (1-254) as well as with the secondary address (serial number) of the meters.

FREE CONFIG SOFTWARE

On our website www.RESI.cc you can download the CONFIGURATOR software for free.

This software offers all functionalities to configure the meters. This includes also an automatic search function for meters in a MBUS network.

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RESI.MBUS.PRODUCTS

High reliability – Easy handling

In the field of MBUS networks, we offer the following product range:

RESI-MBUS-LEVEL

A simple RS232 to MBUS level converter for max. 24 meters. Evaluation and interpretation of the MBUS protocol is made within the host software.

RESI-MBUS-MODBUS

RESI-MBUS2-MODBUS

RESI-MBUS3-MODBUS

RESI-MBUST-MODBUS

Four different gateways from RS232/RS485 to MBUS. The communication protocol between host and gateway is MODBUS/RTU Slave. Our free software MODBUS CONFIGURATOR is used to configure all MBUS meters in the MBUS network.

All four gateways use the same firmware, but they support a different number of connectable meters. MBUS: 8 meters, MBUS2: 24 meters, MBUS3: 48 meters, MBUST: 2 meters.

For the central management and evaluation of the collected meter data we offer server based solutions:

RESI-WEBREPORTS

Web platform for presentation and analysis of collected meter data. The Platform is optimized to show data on PC's, tablets and smart phones. Pie charts, line charts or bar graphics can be created.

RESI'S-MBUS

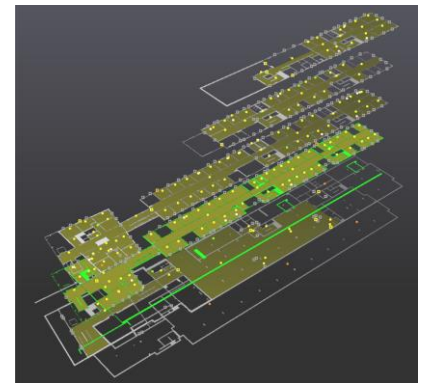
Windows software to capture data from decentralized meters over a RESI-MBUS-LEVEL level converter in a TCP/IP network. Perfect for large MBUS networks with many widespread meters. This tool automatically searches for connected meters and writes cyclically all meter data into a SQL data base for the further analysis with the RESI-WEBREPORTS tool.

RESI'S-SQLCALC

A SQL tool to create compressed data tables in SQL data bases. e.g.. power consumption per 15 minutes, weeks or month. The tool can perform calculations. e.g.. Calculate the total amount of all heat meters assigned to "renter x"

RESI-SCADA-3D

Our innovative 3D visualisation offers a clear overview and easy handling of the complete building. The handling and searching is similar to Google Earth® and allows a quick finding of rooms or objects in the facility. The 3D model can be freely zoomed, panned and rotated in real time.



Here you find a short extract out of the list of tested meter manufacturers:

ABB
ACTARIS
ALLMESS
AQUAMETRO
BRUNATA
DANFOSS
ELSTER KROMSCHROEDER
EMH
ENGELMANN
HYDROMETER
ISTA
KAMSTRUP
LANDIS & GYR
METRIMA
SCHINZEL
SCHRACK
SENSUS
SIEMENS
SONTEX
VITERRA
ZENNER
and many more



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Overview of our different types of converters and gateways

HOST SYSTEMS

