RESI-MBUS-MODBUS Converter
MBUS-meter data logging

product presentation
...feel the spirit of a new generation

DO YOU WANT TO, ...

...maintain the overview of your energy consumption at any time?
CATCH UP WITH THE CURRENT ENERGY CONSUMPTION

- Queries of current consumption values (current, gas, water ...)
- Reading of key date values
- Transmission of MBUS- data via GSM text messaging/internet
- Generation of accounts/invoicing
- Data analysing in terms of statistics
INTEGRATION INTO A BUILDING MANAGEMENT SYSTEM (BMS)

- Display the current MBUS meter values online in your SCADA system
- Prepare trend graphics of the consumption
- Compare energy consumption values in different zones
- Easy integration via MODBUS RTU master protocol (OPC driver)
ONLINE INVOICING

- Generate online invoicing of the energy consumption in different rental areas
- Transfer all data to an accountancy via GSM text messaging or the internet
- Optimise your HVAC control due to permanent analyses of the efficiency
- Inform your customers at any time about their effective energy costs
DUE TO THE OPEN MODBUS STANDARD A BROAD RANGE OF APPLICATIONS IS GIVEN.

The converter is available with RS232 or RS485 serial interface to the host system: RS232 for a point to point connection or RS485 for a bus system with up to 32 MBUS-MODBUS converter on one single host.

Data interpretation with PLCs, PCs, measuring devices with MODBUS RTU Master.

Up to 8 MBUS meter (heat-, gas-, water meter, …) can be connected to each MBUS converter, up to 24 meters to each MBUS2-MODBUS converter.
RESI-MBUS-MODBUS CONVERTER.
FIELD OF APPLICATIONS.

The converter can be used everywhere where M-bus compatible meter are applied (e.g. measuring heat volumes in co-generation power plants or at home of end users, read current electric power consumption of any energy consumer device...).
RESI-MBUS-MODBUS CONVERTER. FIELD OF APPLICATIONS

By interlinking the converter with any TCP/IP compatible control (e.g. RESI T1) any value can be read from any networked PC via web browser (as for instance Internet Explorer, Firefox).
When combined with the RESI-T1 web controller all collected MBUS data can be easily read with any internet web portal.
RESI-MBUS CONFIGURATOR. THE TURNKEY SOLUTION TO MONITOR MBUS DATA.

The PC software provided enables easy configuration of all MBUS-MODBUS modules!

The values to be read are transferred via RS232 or RS485 to the module. The MBUS module now periodically send queries to the MBUS devices connected and store the data internally in MODBUS holding register.

A higher-ranking host system (PC, PLC, special hardware), can read the stored values via MODBUS RTU master protocol (RS232 or RS485).
RESI-MBUS CONFIGURATOR.
OUR PC PARAMETERISING SOFTWARE.

With that software configurations can be either stored in files or can be read from or written into the converter module.

✓ easy configuration of the HIQUEL-MBUS-MODBUS Converter

✓ configurations can be saved as CSV files.

✓ query of the parameterised data for easy functional tests

✓ configuration manager for quick selection of the meter bus reader data

✓ meters connected to the Configuration manager are automatically actualised via TCP/IP

✓ runs under Windows® XP
The configuration table shows the list of data points in table form.

All settings to establish the connection to the converter are defined under connection options.

The menu bar offers direct access to all functions!

General settings of the converter.

The configuration table shows the list of data points in table form!

In the status bar all messages and states of the converter are indicated.
The meter manager offers easy and quick configuration of distinct counter types. Every time when starting the counter manager the application tries to connect to the homepage [www.resi.cc](http://www.resi.cc) to download and install the newest tested types of meters.

In the value list all values that read via MBUS interface are displayed. For each value a selection box, the index of the value, a description of the value and the corresponding physical unit (if possible) is displayed. In the last column the MBUS storage number is given.

In the meter selection all installed meters are sorted in alphabetical order of the manufacturer. When selecting one meter the list with all available values is loaded.
Up to 100 data points can be defined here. These data points can be read from up to 8 different MBUS devices and are available in MODBUS registers.
Here the different messages that inform the user about success or failure of the last actions are indicated.

The current software version as well as the states of the converter and the slaves are also indicated.

The states of the slaves are represented in different colors. Grey indicates no connection, red for no configuration, blue for configured but not initialised and green for clean working.