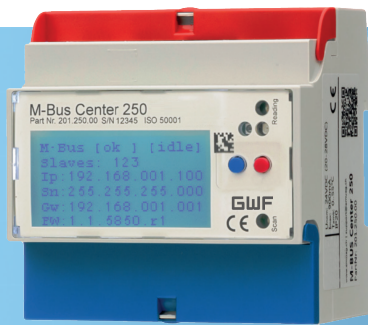




# M-Bus Center (Discontinued)

M-Bus data logger



## Your benefits

- Integrated M-Bus level converter for 20 / 60 / 120 / 250 M-Bus loads
- Web compatible, remote readout via Web browser
- Ad-hoc analysis and validation
- Professional data processing
- Visualisation of consumption makes energy consumption transparent
- Firmware update and backup via Web interface
- System connection via OPC UA and BACnet IP

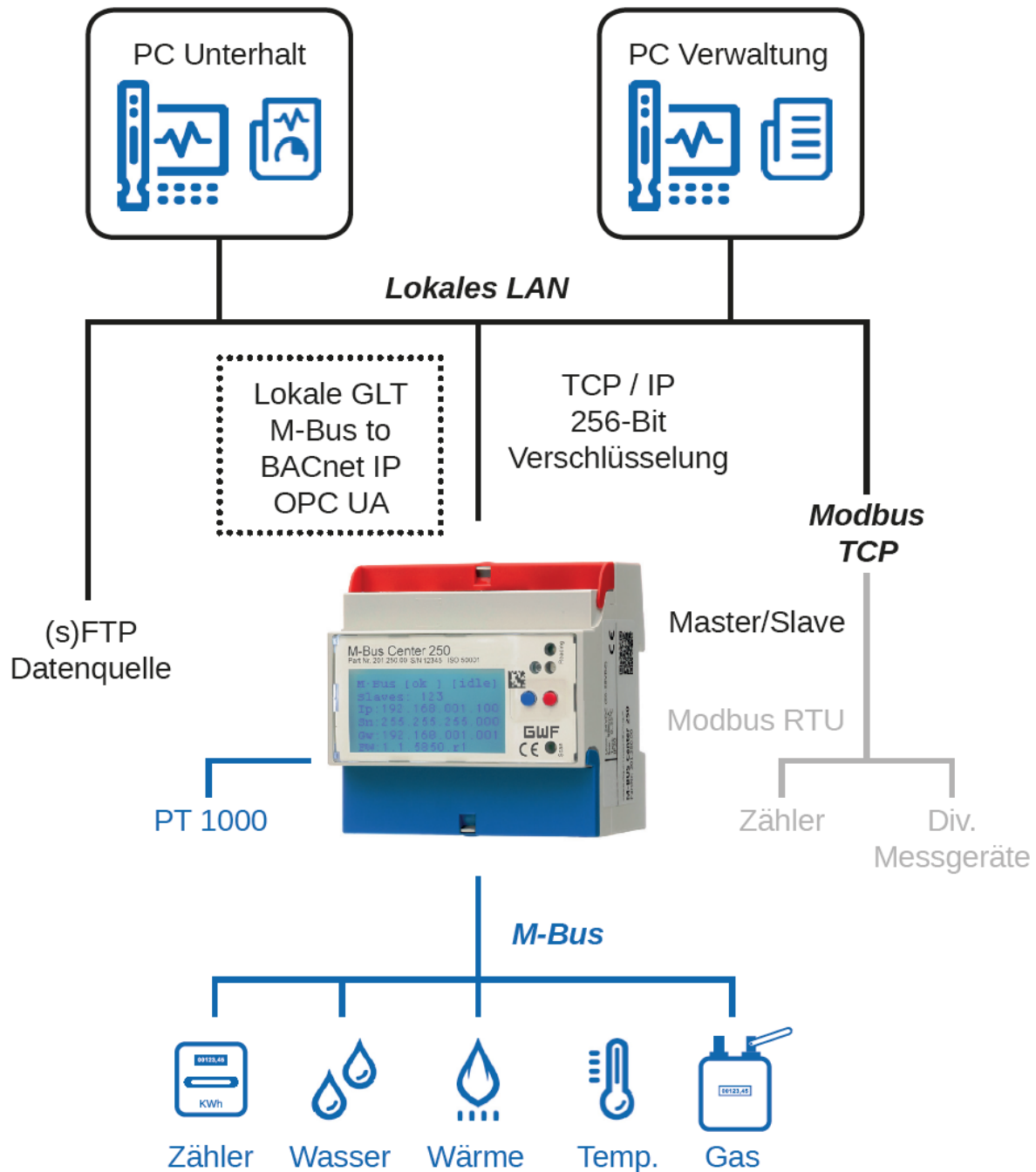
## Applications

- Fast and simple measurement data acquisition, incl. integrated statistical functions
- Integration of measurement data in (building) management systems or other peripheral systems
- Suitable for heat, water, gas and electric meters with M-Bus
- Performance monitoring and energy management

## Properties

- M-Bus data logger for a max. of 250 loads
- Data logging on micro SD card
- Integrated M-Bus level converter/master
- Supports all M-Bus devices according to EN 13757-2, -3
- Automatic search for M-Bus devices
- Visualisation of consumption per day / week / month
- Backlit LCD display 60 x 30 mm
- Compact design: Dimensions (LxWxD) 90 x 90 x 67 mm (5 TE)
- Integrated website via IP address
- Load profile for all energy values
- Data export in CSV file and FTP upload of measured values
- Multi-user compatible
- Firmware update via TCP/IP
- System connection via OPC UA and BACnet IP
- CE Conformity (MID)

## System components for BACnet integration



## Technical Data

| Mechanics          |                                            |
|--------------------|--------------------------------------------|
| Dimensions (HxWxD) | 90 x 90 x 67 mm (5 DIN modules)            |
| Weight             | app. 400 g                                 |
| Mounting           | DIN rail (DIN 50022), 35 mm                |
| Housing material   | Polycarbonate, recyclable, non-combustible |
| Protection class   | IP 20                                      |

## Terminals

|                     |                                                                   |
|---------------------|-------------------------------------------------------------------|
| Interfaces          | 1 x USB type A<br>1 x USB type B<br>1 x Ethernet 10/100 base RJ45 |
| Inputs              | 3 x M-Bus<br>4 x S0 pulse input<br>2 x temperature PT1000         |
| System connection   | BACnet IP and OPC UA                                              |
| Outputs             | 2 x relay                                                         |
| Operating voltage   | 24 V DC                                                           |
| Current consumption | Max. 1 A                                                          |

## Product information

|                        |                                                          |
|------------------------|----------------------------------------------------------|
| Number of M-Bus slaves | Max. 20 / 60 / 120 / 250 (per 1,5 mA)                    |
| Evaluation             | Web server / Diagram suitable for ISO 50001              |
| M-Bus level converter  | Integrated high performance level converter              |
| Data export            | .csv and JSON file, other formats available upon request |
| System connection      | Via BACnet IP and OPC UA                                 |
| Data memory            | Micro SD card                                            |
| Firmware update        | Yes, possible via user interface                         |
| Backup                 | Yes, possible via user interface                         |
| Configuration          | Local and remote configuration with Web server           |

## Product information

|                                                             |                                                                             |
|-------------------------------------------------------------|-----------------------------------------------------------------------------|
| Temperature range                                           | 0 - 55 °C                                                                   |
| M-Bus baud rate                                             | 300, 600, 1200, 2400, 4800, 9600                                            |
| M-Bus quiescent current                                     | Max. 375 mA (250 x 1,5 mA)                                                  |
| Compatibility                                               | Heat, water, gas and electric meters with M-Bus according to EN 13757-2, -3 |
| Electrical isolation, short-circuit and overload protection | Yes                                                                         |
| Safety                                                      | CE Mark                                                                     |
| EMC measurement                                             | EN 61000-6-2                                                                |
| Interference immunity                                       | EN 61000-6-3                                                                |
| M-Bus standard                                              | EN 13757-2, -3                                                              |
| Energy management                                           | Suitable for ISO 50001                                                      |
| BACnet IP                                                   | B-ASC zertifiziert                                                          |
| Display                                                     | Backlit LCD display                                                         |
| Weight                                                      | app. 400 g                                                                  |
| Mounting                                                    | 35 mm DIN rail                                                              |
| Housing                                                     | Polycarbonate, recyclable, non-combustible                                  |