

APPLICATIONS

- Reading of all M-Bus meters, with very high resolution (1 minute) and over vast distances (5 km and more)
- Reading of HYDRO-RADIO meters (HYDRO-CENTER 60/250 only)
- Automatic standalone meter reading in difficult environments (e.g. using cellular modem and solar power supply)
- Reading of meters using internet/intranet connection (with optional converter)

FEATURES

- M-Bus master and level converter in one device. HYDRO-CENTER 60/250 may also be used as M-Bus repeater (amplifier)
- 25, 60 or 250 M-Bus devices maximum
- Also available as pre-configured system with power supply and modem ready to use in IP 55 or IP66 installation housing

SPECIFICATIONS / INTERFACES

- RS232 PC interface
- RS232 modem interface
- M-Bus repeater interface (HYDRO-CENTER 60/250 only)
- Optical IrDA interface (HYDRO-CENTER 60/250 only)
- M-Bus output
- HYDRO-RADIO transceiver interface (HYDRO-CENTER 60/250 only)

MEMORY-VERSION

- 2 MByte Flash memory (for approx. 20,000 values)
- Real time clock with date and time max. deviation ± 1 minute per month, 10 years battery life time without external power supply
- Programmable automatic meter read out
- Device list for 1000 devices
- Comfortable Windows® software included for easy on-site or remote configuration

WEIGHT

- HYDRO-CENTER 25/25 Solar approx. 600 g
- HYDRO-CENTER 60/250: approx. 400 g
- HYDRO-CENTER Power: approx. 800 g

**HOUSING**

- Rail-mount housing with fuse profile made of heat resistant plastic (approx. width 71 mm or 157,5 mm, respectively)

M-BUS TRANSMISSION SPEEDS

- HYDRO-CENTER 60/250: 300, 600, 1200, 2400, 4800 and 9600 baud (automatic baudrate detection)
- HYDRO-CENTER 25: 300, 2400 baud (automatic baudrate detection)

POWER SUPPLY

- HYDRO-CENTER 25: 230 V 50..60 Hz AC or 120 V 50..60 Hz AC
- HYDRO-CENTER 25 Solar: 12 V DC from solar power supply with 1 A max power
- HYDRO-CENTER 60: 11..38 V DC or 15..38 V 50..60 Hz AC
- HYDRO-CENTER 250: 20..38 V DC or 24..38 V 50..60 Hz AC

OPERATING TEMPERATURE

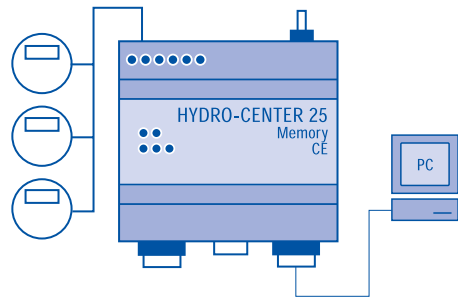
- +0°C bis +60°C
- 10 % bis 70 % rel. humidity

DATA SHEET HYDRO-CENTER 25/60/250

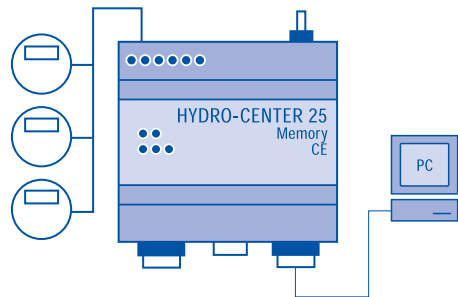
MODEL 535

CONFIGURATION EXAMPLES

M-BUS-LEVEL CONVERTER



M-BUS-REMOTE CONNECTION



M-BUS-REPEATER AND HYDRO-RADIO

(HYDRO-CENTER 60 / 250 ONLY)

