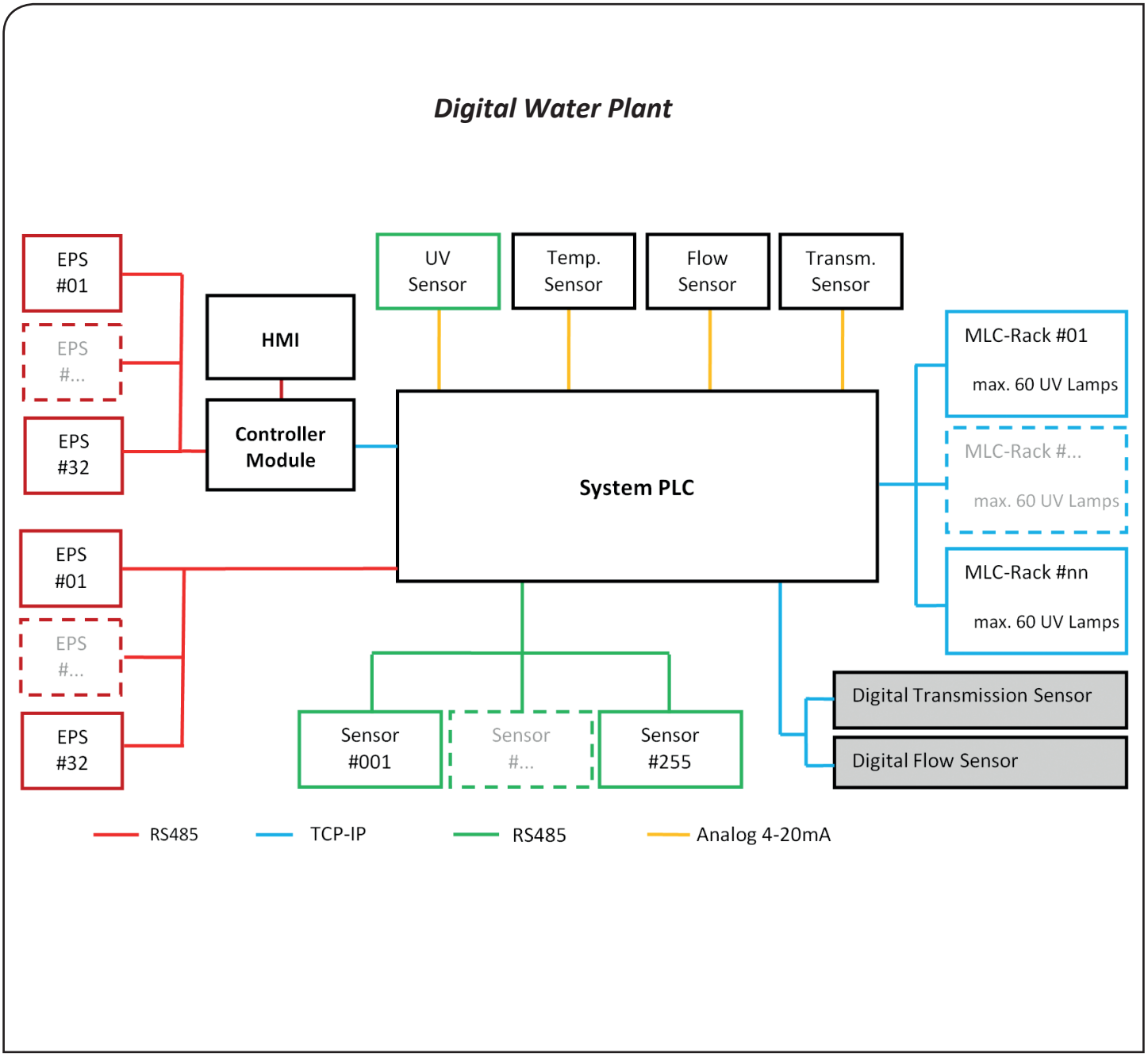

Digital Water Plant

Digital UV-components

System-Features

- Digital UV-sensors
- Digital electronic ballasts
- Connectivity of analog components

Advantages

- ModBUS communication via superior PLC
- Extensive analysis options
- Minimal cabling effort

Digital Water Plant

Electronic ballasts

The **electronic ballasts** from the EPS-series are equipped with an **RS485 Interface** to control all working conditions and analyze extensive information. This provides an optimized system with our UVC-Amalgam lamps.
Up to 32 electronic ballasts can be operated and monitored via the integral digital interface. By using "twin-flamed" ballasts, up to 64 lamps are controllable within one commu-nication line.

For larger installations our revolutionary system concept is perfectly matched. The modular **MLC-Rack** combines an extremely compact design with efficient control **via a TCP/IP Interface**. This unit operates **up to 60 UV-lamps**. An optional interface allows the adjustment of a variety of lamps in a range between **200W and 1000W.**

Sensors

Newly developed **digital sensors** allow signal analysis via an RS485 interface. In one UV-system up to 255 digital sensors can be connected. Next to the UV value the sensor temperature is now also measured. This feature means the UV-system can react immediately when ambient conditions change.
All sensors meet the **DVGW and ÖNROM requirements** and therefore can easily retrofit into any system.

Communication

For the installation of digital electronic ballasts and sensors, controller modules are available including a programming module. The adjustment of each component parameter is relatively simple and very intuitive. Moreover, the controller modules allow the connection of analog sensors and addi-tional peripheral devices. This means lower installation and maintenance costs along with cost effective testing and servicing procedures.