

Humidity and temperature sensor

HT-MW01



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HT-MW01 module features:

- High quality digital sensor,
- Sensor calibration certificate,
- Temperature compensation of humidity measurement,
- Excellent long-term sensor stability,

- PS485 (MODBUS-RTU) interface,
- RS485 interface address and transmission speed selection with multiple position switches,
- Nonvolatile memory for user data,
– one may individually name the sensors,
- Inbuilt self-diagnosis functions,

- Measurement data accessible in the form of integers as well as floating and fixed point numbers,
- Access to absolute and specific humidity value information,
- Archiving of maximal and minimal registered temperature and relative humidity value,

- Available PC data archiving software and Mitsubishi PLC libraries.



Power supply: 5 – 28 V DC, 15 mA @ 24 V DC
Operating conditions: -25 – 70 °C, air and neutral gases
Measurements: 94x169x35 mm (w x h. x d)

Accuracy of measurement:
±2 %RH within the range from 20 to 80 %RH
±0,3 °C within the range from 5 to 60 °C

Possible/optional communication speeds:
2400, 4800, 9600m 19200, 38400, 57600 bps
Optional parity bits setting/adjustment.

Address settings range:
1 - 255

Easy measurement system construction:

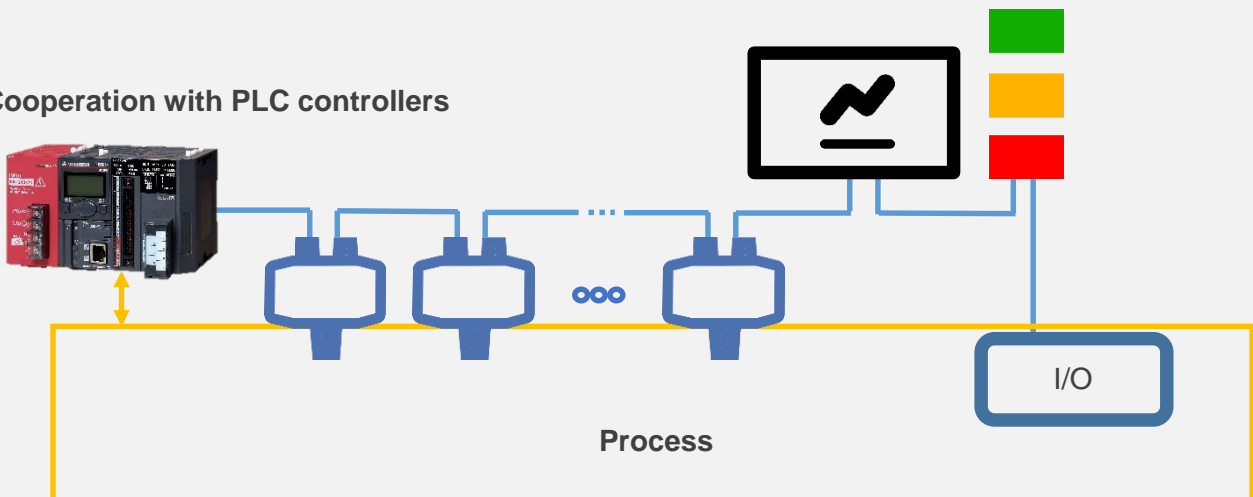
- Minimisation of required wire length: sensors can be connected in series,
- Availability of sensors equipped with casing-mounted industrial connectors,
- Simple integration with any master device supporting MODBUS-RTU protocol ,
- Available PC data archiving software and Mitsubishi PLC libraries.

Available library for Mitsubishi PLC controllers:

- Optional using of prefabricated function blocks and exemplary software/programs,
- Easy sensor measurement data reading.

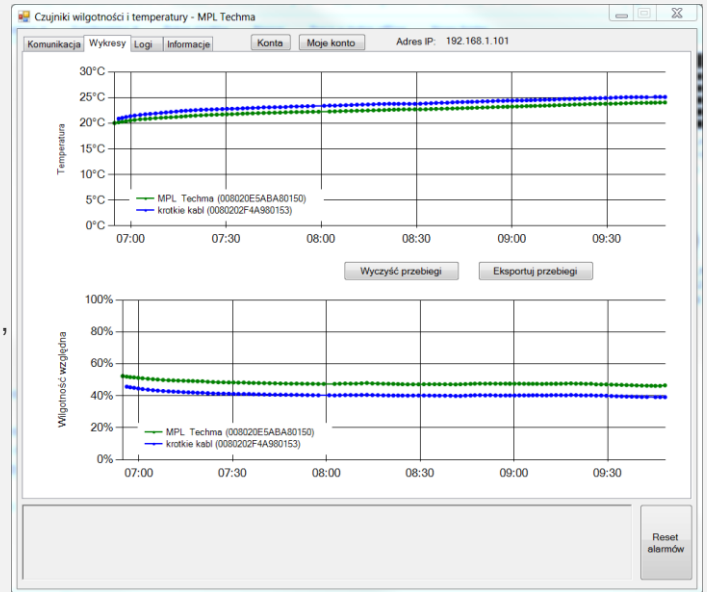


Cooperation with PLC controllers

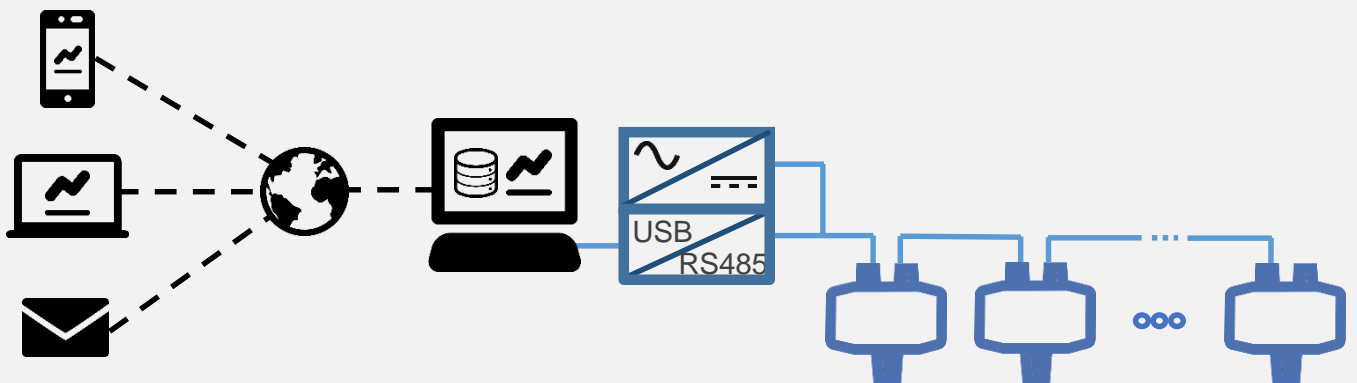


Available PC software:

- Automatic detection of connected sensors,
- Access to measurement data via webpage,
- Possibility to define individual thresholds,
- Email notification in case of exceeding the threshold,
- Access authorisation,
- API enabling access to measurement data for any external application.



Cooperation with PC



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