Humidity and temperature sensor

HT-MW01
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.

MPL Techma are conducting a continual development policy, therefore we reserve the right to make changes to the data and characteristics of our products. Equipment should be serviced and used by qualified personnel in accordance with applicable regulations for electrical systems.

Technical specification data have informative value. Therefore, the MPL Techma company is not responsible for improper use of the offered products. More information in the product manual and on our [product site](www.mpltechma.pl).