

# MT/MTV Sensor Unit



The following MT/MTV sensor unit models are suitable for connection to the Clima 300, Clima 350, Clima 500 and the MultiMa:

- MT20
- MT30
- MT40
- MTV2N
- MTV3N
- MTV4N
- MTV2E



## Durable sensor unit range for accurate temperature and humidity readings

Optimizing glasshouse climate control starts with accurate measurements. Each of the MT/MTV sensor unit models is enclosed in a durable, white plastic housing which protects it against sunlight and splashing water. While the MT model is fitted with a single temperature sensor, the MTV model contains two temperature sensors, including one for measuring the wet bulb temperature. The MTV2E model houses both a temperature sensor and an electronic humidity sensor.

**HortiMax**  
growing solutions



# MT/MTV Sensor Unit

## Choose between vertical or horizontal air suction

By simply attaching or removing a disc on the underside of any of the sensor unit models, you can choose between either vertical or horizontal air suction.

## Unique water container

The MTV model is equipped with a black water container which can be sealed off, minimizing the risk of algae growth. The water container includes a unique level sensor which can be connected to the MultiMa, so an alarm is generated when the water level drops below a certain point. In Clima 300 and Clima 500 control, the level sensor cannot be connected directly to the computer. In these cases, fitters will usually install a panel with LEDs, which light up when the water level drops too low.

## Electronic humidity sensor

The MTV2E model includes an electronic humidity sensor specifically designed for the Clima 300. The main benefit of this model is that it provides accurate and reliable humidity readings, while requiring virtually no maintenance.

## Models

|  | Unit model              | Suitable for connection to |
|--|-------------------------|----------------------------|
| <b>Temperature measurement</b>                         |                         |                            |
| MT20   | Pt-100                  | Clima 300                  |
| MT30   | Pt-1000                 | Clima 500 / MultiMa        |
| MT40   | NTC 3K                  | Clima 350                  |
| <b>Temperature and humidity measurement</b>            |                         |                            |
| MTV2N  | 2x Pt-100               | Clima 300                  |
| MTV3N  | 2x Pt-1000              | Clima 500 / MultiMa        |
| MTV4N  | 2x NTC 3K               | Clima 350                  |
| <b>Temperature and electronic humidity measurement</b> |                         |                            |
| MTV2E  | Pt100 and electronic RH | Clima 300                  |

## Specifications

|                                    |  |
|------------------------------------|--|
| <b>Model: MT</b>                   |  |
| Dimensions (L x W x H)             | 300 x 100 x 275mm  |
| Weight                             | 1.6kg  |
| Power supply                       | MT20: 24 V DC<br>MT30: 24 V AC or DC<br>MT40: 24 V AC or DC    |
| Output signal                      | Resistance measurement   |
| Temperature sensor measuring range | -10 to 50°C  |
| Accuracy of temperature sensor     | ± 0.15°C (1/3 DIN)   |
| <b>Model: MTV</b>                  |  |
| Dimensions (L x W x H)             | 300 x 100 x 275 mm   |
| Weight                             | 1.8 kg   |
| Power supply                       | MTV2N: 24 V DC<br>MTV3N: 24 V AC of DC<br>MTV4N: 24 V AC of DC |
| Output signal                      | Resistance measurement   |
| Temperature sensor measuring range | -10 to 50 °C   |
| Accuracy of temperature sensor     | ± 0.15 °C (1/3 DIN)  |
| Humidity sensor measuring range    | 10 to 100% RH  |
| Accuracy of humidity sensor        | ± 3% RV  |
| <b>Model: MTV2E</b>                |  |
| Dimensions (L x W x H)             | 300 x 100 x 275mm  |
| Weight                             | 1.6kg  |
| Power supply                       | 24 V DC  |
| Output signal                      | RH: 0-10V<br>T: Resistance measurement                         |
| Temperature sensor measuring range | -10 to 50°C  |
| Accuracy of temperature sensor     | ± 0.15°C (1/3 DIN)   |
| Humidity sensor measuring range    | 0 to 100 % RH  |
| Accuracy of humidity sensor        | ± 2 % RH (between 5 – 95% RH)                                  |

## More information?

For more information, please contact HortiMaX directly (phone: +31 (0)15 362 03 00) or one of our dealers near you. You can also visit our website at [www.hortimax.com](http://www.hortimax.com)

