

Indoor and outdoor climate

Measuring temperature, humidity, CO2 and more

People who work in a healthy environment are more productive. Recent research has shown that a healthy indoor climate may enhance learning performance at school and work performance in offices. You can determine the air quality and ventilation by checking the CO2 value. In other situations, such as horticulture, it is also important to monitor the indoor climate. This allows growers to increase their revenue as they gain more insight into the microclimate in their greenhouses. In addition to determining the indoor climate, there are many conceivable situations where it is important to obtain reliable information on the outdoor climate.

There are various conceivable situations where it is important to closely monitor the climate in a particular space or environment. For example, the climate in an office or a school.



You can use the WiSensys® platform to accurately monitor the climate in a given environment. You can connect various sensors to the system. In the field of climate monitoring, the WiSensys® platform provides sensors for measuring:

- Temperature
- Humidity
- CO2
- Wind speed
- Wind direction
- Rain quantity
- Rainfall intensity

Applications climate monitoring

- Monitoring the indoor climate in trains
- Monitoring air quality in offices / schools
- Determining optimal climate for greenhouses
- Climate control in shops and museums
- Monitoring temperature in server rooms
- Regulating the climate in medical institutions
- Weather stations



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Sensor WS-DLTi

WS-DLTi measures temperature. Sensing is done using an internal digital sensor.

Measurement range: -20°C - +80°C

Accuracy: +/- 0,5°C

Housing: IP 65

Sensor WS-DLTc

WS-DLTc measures humidity and temperature. Sensing is done using an internal digital sensor.

Measurement range: RH% 10% - 100% non-condensing;

T -20°C to +80°C

Accuracy: RH% +/- 1,8% from 10% to 90%; **T** +/- 0,3°C

Housing: IP 65

Sensor WS-DLTa-p100 / WS-DLTa-p1000

WS-DLTa-p100 /p1000 measure temperature. Sensing is done using a Pt100 / Pt1000 sensor.

Measurement range: -150°C - +200°C

Accuracy: +/- 0,1°C

Housing: IP 65

Sensor WS-DLC

WS-DLC measures CO₂, humidity and temperature and transmits data to the base station. Sensing is done using internal digital sensors.

Measurement range: CO₂ 0 ppm - 50.000 ppm;

RH% 10% - 100% non condensing ; **T** - 20°C to +80°C

Accuracy: CO₂ +/- 40 ppm + 3%;

RH% +/- 1,8% from 10% to 90%; **T** +/- 0,3°C



WiSensys® is a Wireless Value product.

For more information go to: www.wirelessvalue.nl or www.wisensys.com