



**NIEUWKOOP**

# Sensors for climate control

For indoor climate control, we have various sensors and transmitters in our product range. Below are some examples for measuring relevant parameters for climate control and monitoring.

## Temperature, humidity and dew point

Available in several variants:

- Sensor fixed to housing or on a cable
- Different sensor and cable lengths
- Standard and extended range (high/low)
- With and without readout display,
- Output signals 4...20mA , 0...10Vdc and RS485 modbus

**Suitable for air ducts and (open) spaces such as vertical farms, nurseries, greenhouses, cold stores etc..**



## Light measurements for indoor and outdoor setups PAR, Pyrano and irradiance meters

Available in many different designs and ranges. Suitable for both sunlight and assimilation lighting for accurate measurements.

**Suitable for measuring sunlight and radiation outdoor and artificial growth light in areas such as vertical farms, nurseries, greenhouses, open fields etc..**

## CO2

Available in several variants:

- Sensor fixed to housing, air duct mounting or on a cable
- Different sensor and cable length options
- Standard and extended range (high/low)
- With and without readout display,
- Output signals 4...20mA , 0...10Vdc and RS485 modbus

**Suitable for air ducts and (open) spaces such as vertical farms, nurseries, greenhouses, cold stores etc..**



Possibility of ISO/IEC 17025 accreditation certificates and ISO 9001 calibration reports for all sensors/transmitters.

Please contact us for more information:

[Sales@nieuwkoopbv.nl](mailto:Sales@nieuwkoopbv.nl)

[Meten.nl](http://Meten.nl)



**NIEUWKOOP**

# Sensors for climate control

## Atmospheric and differential pressure

There are options in different ranges for both pressure types

- Option for wireless data logging
- Different sensor and cable lengths
- Can be combined with other parameters
- With and without readout display,
- Output signals 4...20mA , 0...10Vdc and RS485 modbus

**Suitable for air ducts and (open) spaces such as vertical farms, nurseries, greenhouses, outdoor area etc..**



## Wind and air velocity For outdoor installations and air ducts

Wind speed and direction can be combined with humidity, temperature, barometric pressure, rainfall and solar radiation.

Air velocity sensors/transmitters for air ducts reliably measure air velocity, temperature and humidity. Available with various sensors such as horizontal and vertical mounting.

## Soil moisture and leaf wetness

Soil moisture sensors measure soil volumetric water content (VWC) by capacitive measurement. In the range 0-60% VWC.

The sensor with three electrodes is extra suitable for measurements in small pots.

The available version have an RS485 or SDI-12 digital output and an analog output in different ranges Volts.

The leaf moisture sensor detects the presence of condensation on the sensor surface and is designed to accurately reproduce leaf behavior.

Measurements are made on both the top and bottom surfaces, giving an extremely reliable reading.

**Suitable for vertical farms, nurseries, greenhouses etc..**



Possibility of ISO/IEC 17025 accreditation certificates and ISO 9001 calibration reports for all sensors/transmitters.

Please contact us for more information: [Sales@nieuwkoopbv.nl](mailto:Sales@nieuwkoopbv.nl) [Meten.nl](http://Meten.nl)