



HM1500LF

Air humidity sensor



Compatible with Tempus® Air MS Single/Multi Sensors Modules (S1 and S4)

HM1500LF is a humidity transducer designed for those applications where a reliable and accurate measurement is needed. HM1500LF measures air Relative Humidity (RH). There is a strong correlation between RH trace and daily evapotranspiration; HM1500LF supports you in identifying plant-watering needs.

FEATURES

- Accurate measurements within 10 to 95% RH
- High reliability and long-term stability
- Fast response time
- Not light sensitive
- Instantaneous de-saturation after long periods in saturation phase
- Protected against reversed polarity
- Not affected by water immersion
- Very low temperature dependence
- Patented solid polymer structure
- Small size
- Lead free / RoHS Compliant



SPECIFICATION

Humidity Measuring Range	0 to 100% RH
Relative Humidity Accuracy (10 to 95% RH)	± 3 to ±5% RH
Humidity resolution	0,4 %RH
Humidity Hysteresis	±1 %RH
Warm up time (electronic)	150 ms
Current consumption	1 to 2 mA
Operating temperature	-40°C to 60°C
Wiring & Connection to Tempus Air MS	Blue: to be connected with Tempus Air MS red wire Yellow: to be connected with Tempus Air MS yellow wire (+) White: to be connected with Tempus Air MS black wire (-)

INSTALLATION

Avoid installing the sensor near an area that could cause an inaccurate reading

Codification

Code	Description
IT-HM1500LF	Air humidity sensor (HM1500LF)