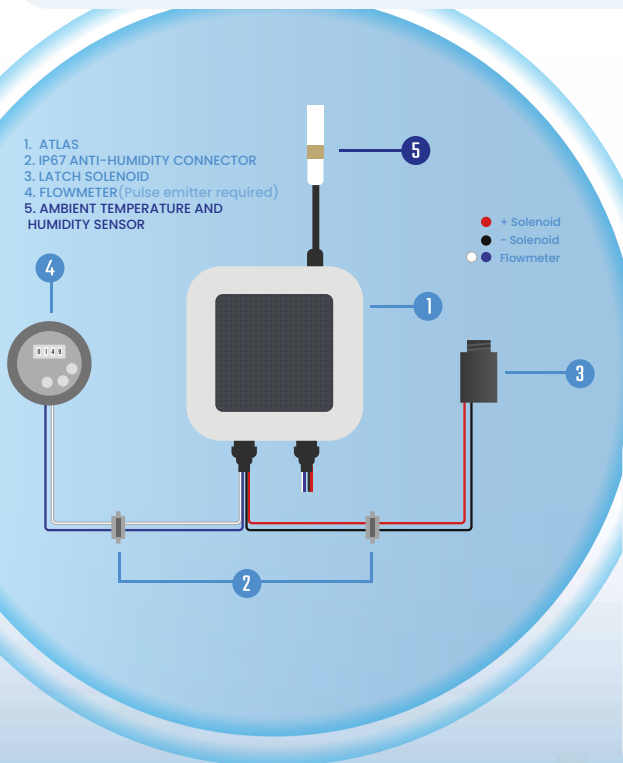


The ambient temperature and humidity sensor allows to obtain data about the temperature and humidity of the ecosystem where the crops are growing.

Thanks to the collection of this data and our own knowledge of the field, it is possible to manage the health of our plants in the best possible way. With this you can ensure a good production by making the temperature oscillate in a range of values according to the cycle in which the crop is, using heaters for example, in the case of greenhouse crops; or for example by making irrigations to avoid frost in the case of outdoor crops.

In this way, you will always be aware of the ambient temperature and humidity in the greenhouse, farm or installation to be controlled, which will result in lower water and fertilizer consumption, reducing production costs.




## Applications

- Temperature control according to the crop cycle
- Avoid frost
- Control possible pests due to excess humidity
- Program irrigation according to temperature and humidity
- Control the environment and ensure a higher crop production


Sensor model	SHT31
Supply voltage	2.4 - 5 V DC
Accuracy	±0.3°C; ±0.3%RH
Working environment range:	-40 - 125°C; 0%RH - 100%RH
Resolution	0.1°C; 0.1%RH
Signal	I2C



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