



Temperature & Humidity Sensor

The Temperature & humidity sensor by **Vacus** is fitted with a **BME280** sensor which is much more reliable and effective compared to any of its alternatives.

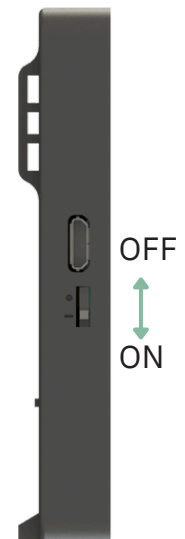
The sensor is equipped with an RF antenna to facilitate wireless communication with the **Vacus** gateway.

TH Sensor

- The LED on the sensor blinks every 5 seconds to indicate good health.
- The battery is to be replaced every 2 years.
- Alerts will be generated if the measured values cross a set threshold.
- Form factor : 79.2mm X 39.5mm X 10.6mm

► Sensor Specifications:

Parameter	Value
Sensing method	Humidity - Capacitive
	Temperature - Bandgap
Measurement range	-25°C to +55°C 0—95% Rh
Resolution	0.08°C 0.08% RH
Absolute accuracy	± 0.5°C, 0°C to 55°C
	± 3% RH, 20°C to 55°C
	± 2°C over a full temperature range
	± 5% RH over a full temperature
Repeatability	range ± 0.1°C ± 0.1% RH



► Battery replacement:

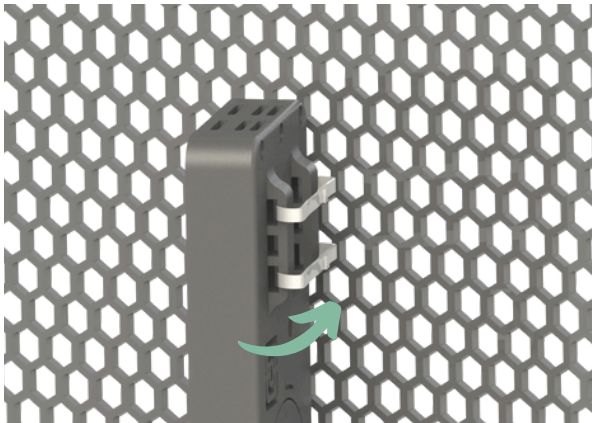


Lid to be pulled up to replace the battery



Twist the lid anti-clockwise to close and clockwise to open.

► Installation:



Mounting of Sensor

Deployment of TH Sensor:

- Cable ties are used to mount the sensor on to the server rack door as shown in the above image.
- Cold Aisle - The mounting position of 2 sensors on the door is as shown in the image.
- Hot Aisle - One sensor can be mounted at the centre of the rack.



Placement of TH Sensors

► Communication architecture:



USAGE GUIDELINES:

1. Do not open or modify the product.
2. Do not immerse product in any liquid
3. Do not expose product to out-of-range temperature environments.
4. Any modifications or changes to the product that are not expressly approved by Vacus Tech may void your warranty.