

Air quality sensor



[Datasheet](#)

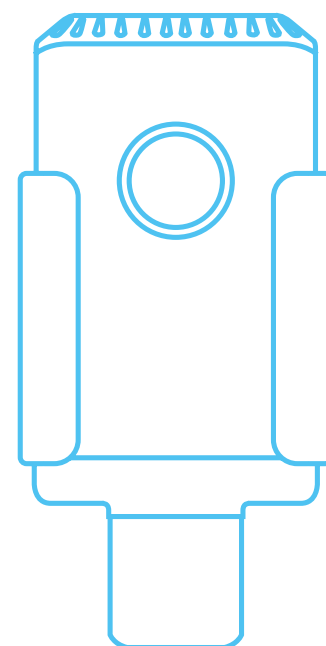
Monitor air quality in your greenhouse with CO₂ measurement. Detect fire outbreaks on your plot, or in your greenhouse.

4-IN-1 SENSOR

Measure temperature, humidity and atmospheric pressure as well as CO₂ levels using the same sensor.

FLEXIBLE MEASURES

Choose the uplink interval that suits your needs.



Air quality sensor

Measure : temperature

Range	-30°C to + 70°C	Resolution	0.1°C	Accuracy	0°C to + 70°C (+/- 0.3°C), -30°C to 0°C (+/- 0.6°C)
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Measure : relative humidity

Range	0-100 %	Resolution	0.5%	Accuracy	10% à 90% (+/- 3%) <10 % and >90% (+/- 5%)
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Measure : atmospheric pressure

Range	300 - 1100 hPa	Resolution	0.1 hPa	Accuracy	±1 hPa
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Measure : CO₂

Range	400 - 5000 ppm	Resolution	1 ppm	Accuracy	±30 ppm or ±3 %
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Wireless transmission

Technology	LoRaWAN v1.0.3 Class A	Radio frequency	EU868 MHZ
Transmission power	16 dBm	Sensitivity	-147 dBm to 300 bps

Power supply

Battery lifetime	19000 mAh Li-SOCl ₂	Operating temperature	-30°C à 70°C
Protection	IP66	Dimension	156.1 × 71 × 69.5 mm