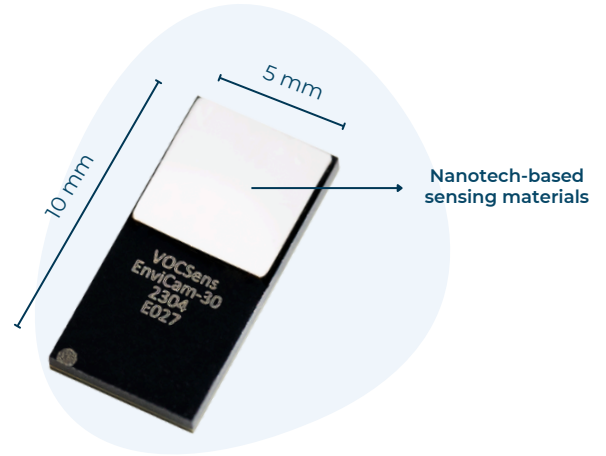


EnviCam[®]-30-AFR

AGRI-FOOD & RECYCLING

General description

EnviCam[®]-30-AFR is VOCsSens' revolutionary multi-gas microsensor that empowers farmers and industries to **accurately monitor and control pollutant gases**, including ammonia, enabling compliance with regulations and cultivating a healthier planet.



Gas range

Ammonia NH₃ 0.2 – 200 ppm

Product availability

v1 (NH₃)..... Available

Main specifications

Power consumption	< 1 μW	Power supply	VDD: 1.8 V VDDIO: 1.8-3.3 V
Current ON	< 200 μA	Current OFF	< 0.1 μA
Input	GPIO	Output	0.1 - 1000 kHz



NH₃ sensing

CH₄ sensing

CO₂ sensing

Applications

Soil cleaning

Health & Safety

Ventilation control

Emissions reduction

Security

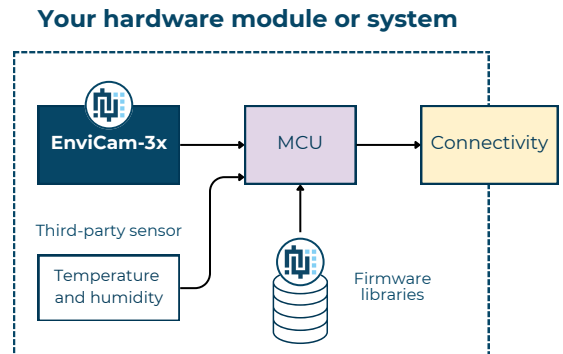


Easy integration in your electronics

EnviCam-3x-AFR only requires to be connected to a **microcontroller unit (MCU)** to function within your module or system.

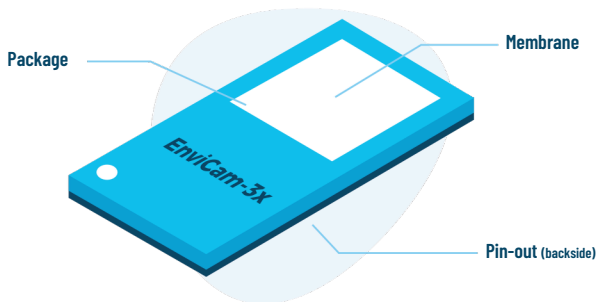
VOCSens provides the necessary support for integrating the EnviCam-3x-AFR sensor. This includes **firmware libraries** to control the multi-gas microsensor and to integrate it in your embedded software application.

For proper functioning, the system **must include a temperature and humidity sensor** to provide essential data for compensations through our self-calibration algorithms.

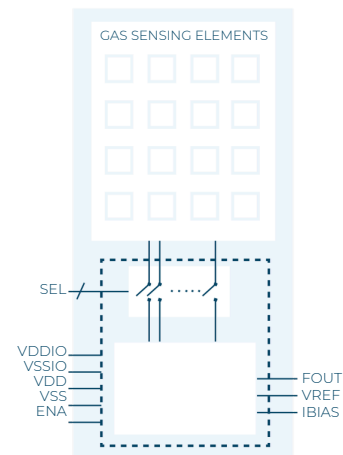


Package content

The product is delivered in a LGA package (10 x 5 x 0.9 mm).



Block diagram



Calibration

EnviSoft, VOCSens' AI-driven algorithms, **automatically self-calibrate gas measurements**, accounting for temperature, humidity, gas cross-sensitivity and aging-induced drifts.



EnviSoft **can be plugged at all levels**: device, gateway or server. It relieves the end user from the burden of frequent manual calibrations, ensuring accurate and reliable measurements.

