

Agscient Air

Livestock methane sensor



Simple, accurate and instant monitoring of methane on farm.

About Agscient Air

The Agscient Air methane sensor has been designed for on farm use to provide primary producers a tool to observe and monitor the emissions of their herds/flock. The system is self-calibrating, easy to install, low maintenance and built to withstand the farm environment.

The versatile sensor can be used indoors and outside, measures methane and carbon dioxide continually, and can be used for both individual and group measurements.

The Agscient Air provides continuous monitoring of emissions with data logging at one-minute intervals. Its versatile design is adapted to areas with poor network connectivity as the inbuilt memory will capture one week of operational data.

The sensor integrates seamlessly with Agscient's web-based portal for real time remote data access, this secure data portal enables users to access monitoring logs, view alerts, manage monitoring reports and more.

How it works

1 **Deploy**
Setup and deploy in under 10 minutes. Get live data flowing to your PC/mobile.

2 **Measure**
Precise sensors continuously capture methane & CO₂ emissions.

3 **Inform**
Data to your dashboard in real time to gain insights for better informed decisions.

Features

- ✓ Accurate, reliable measurement
- ✓ Long-term stability and low maintenance
- ✓ Self calibrating
- ✓ Versatile design for group or individual measurements
- ✓ Certified, ISO 9001, NATA ISO/IEC 17025 accreditation
- ✓ Data accessed on desktop PC and mobile smart devices
- ✓ **Australian made**



The future is measured / sustainable / here.



For more information about the Agscient Air contact our team via email at info@agscient.com

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Livestock diagnostics reinvented.

Agscent Air

Model: GHG 2100

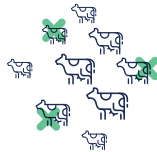
Applications



Diary, feed lotting and grazing



Research



Herd level measurement



Individual animal measurement



Integrated into existing farm infrastructure

Technical specifications

GENERAL

Power Requirement	12VDC
Rated Power	43W
Operating Temperature	-10 to 50°C
Operating Humidity	0 to 95% non-condensing
Operating Pressure	860 to 1100 hPa
Laser Module Operating Life	8000 hours
Data logging (optional)	3 years of logs onboard with unique file name creation every 24 hours

SENSORS

Sensor type	Range	Resolution	T90 Response (s)	Min. Repeatable Detectable Level
CH ₄	0-2500ppm	0.01	≤ 1.8 at 2 l/min	≤ 0.4 ≤ 0.15 with 10s averaging
CO ₂	0-2000ppm	1ppm	<40	15ppm

ENCLOSURE

Material	Polycarbonate
Dimensions (mm)	400mm H x 300mm W x 150mm D
Instrument Weight	15kg
Mounting Options	Wall-mount : ~70mm offset required for dust inlet clearance

COMMUNICATION

FTP Upload	Cellular, Ethernet or Wi-Fi
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OPTIONAL

Optional solar power generating system

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