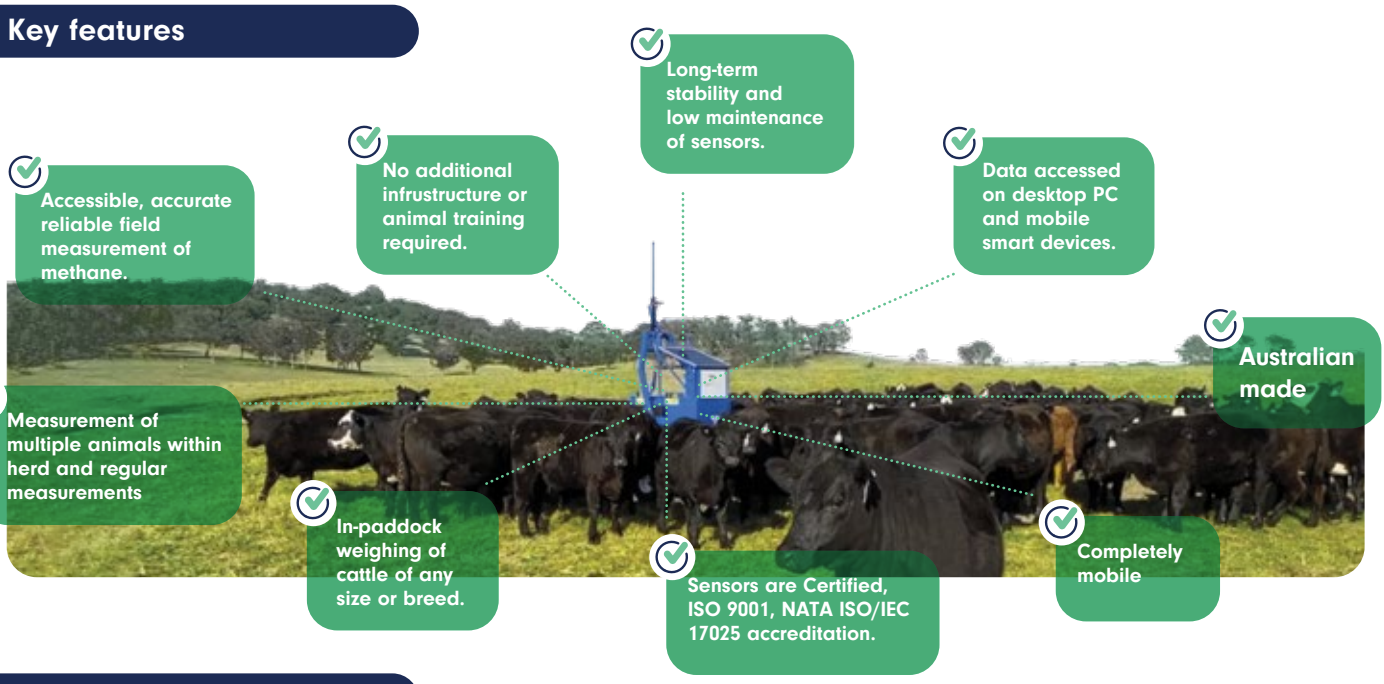
The integrated Agscent/Optiweigh methane sensing technology

Simple, accurate and instant monitoring of methane and liveweight in the paddock.

Available now

The Optiweigh and Agscent collaboration provides a reliable, simple, and efficient solution to not only measure animal weight but also methane from individual animals. The integration offers a remote field-based methane measurement solution which minimises environmental variability during sample collection and integrates the data from the Optiweigh and Agscent methane sensor.

Key features



How it works

The ascent sensor unit has been seamlessly integrated into the Optiweigh.

Cattle are enticed onto the Optiweigh with an attractant, such as molasses, a lick block or salt. Stepping on they have their EID recorded, front feet weighed, and breath sampled for methane and CO_2.

Liveweight and methane emission information is sent and accessible via the Optiweigh client portal.

1 → 2 → 3

Deploy

Take the Optiweigh with the Agscent sensor to your cattle. Set up and deploy in less than 1 min. Get data flowing to your PC/Mobile.

Measure

Your cattle weigh themselves and at the same time the Agscent sensor captures methane and CO_2 emissions.

Inform

Data is updated and sent to any device type including phone, laptop, or tablet to gain insights for better informed decisions.

The future is measured / sustainable / **here.**

OPTIWEIGH

Contact us for more information:

Optiweigh 1300 678 493 - sales@optiweigh.com.au

Agscent info@agscent.com

agscent

Livestock diagnostics reinvented.

Why the Optiweigh/Agscent methane measurement solution

Accurate Monitoring:
Highly precise measurements, enabling you to monitor methane levels accurately and efficiently.

Data-Driven Insights:
Agscent's methane sensors with Optiweigh's weighing systems keep you informed, implement targeted mitigation strategies, and optimise livestock management.

Breeding decisions:
Measuring methane can support breeding decisions based on lower emitting animals, adding to Optiweighs ability to monitor growth rates of replacement females to ensure target breeding weights are met.

Enhanced Animal Welfare:
Improved ability to identify potential health issues through a combination of methane and weight measurements, promoting better animal welfare and improved herd management.

Pasture and methane relationships:
Understanding the effect of pasture management on methane emissions for individual animals.

Environmental Sustainability:
By accurately measuring individual methane emissions you can demonstrate specific reductions, lowering your environmental footprint and contributing to a more sustainable, environmentally friendly livestock industry.

Policy Compliance and Reporting:
Accurate and traceable data can streamline reporting processes and provide transparency to stakeholders, including government agencies, consumers, and environmental organisations.

Available now
Orders delivered in approx. 8 weeks

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Technical specifications

Agscent GHG 2100_OW

Sensors				
Sensor type	Range	Resolution	T90 Response (s)	Min. Repeatable Detectable Level
CH4	0-40,000	0.01	≤ 1.8 at 2 l/min	≤ 0.4 ≤ 0.15 with 10 s averaging
CO_2	0-20,000ppm	5ppm +2% reading	<30	
Temperature	-40-80°C	+0.2		
Humidity	0-100%	2%		
Barometric pressure	300-1200 hPa	0.2hpa		

Operating environment and connectivity	
Operating Temperature	-10 to 50°C
Operating Humidity	0 to 90%
Operating Pressure	860 to 1100 hPa
Connectivity	Cellular

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