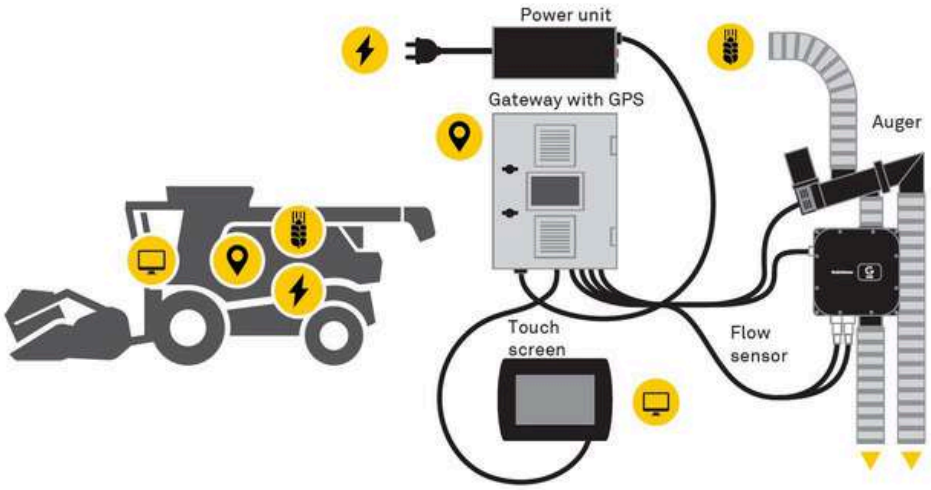
CAMBUT
AG ELECTRONICS

COMBINE ANALYZER

Measuring grain quality instantly on combine harvesters

The GrainSense Combine analyzer has been developed for analyzing real-time grain quality in an environment where grains are actively flowing. Installed in an elevator of a combine harvester the GS Combine analyzer measures **protein** and **moisture** on-line during harvest.



Via a grain entry and exit pipe system, grain is flowing through the GrainSense Flow® sensor, where real-time analysis is performed. The measurement data is sent to the GrainSense Cloud, enabling the farmer to monitor the measured results in real-time and to make better decisions. The user also gains access to heatmap visualizations generated from measurement data combined with location information.

GrainSense

Cambut AG Electronics

6/139 Sandgate Road
Albion QLD 4010 AUSTRALIA
Phone: +61 7 3391 8766
WhatsApp: +60 17 916 3579
email: apac@cambut.com.au
Web: www.cambut.com.au

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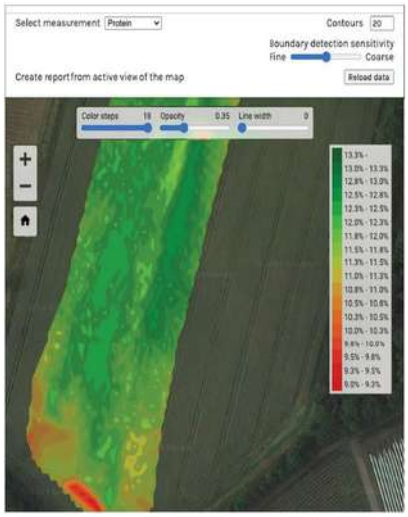
GrainSense Combine
Grain analyser

- **Seamless Integration:** Our GrainSense Combine analyzer is designed for easy installation in various types of harvesters.
- **Real-Time Monitoring:** Experience the power of real-time data. With our cutting-edge technology, you can monitor grain quality as it's harvested, providing you with immediate insights.
- **Field Quality Mapping:** The GrainSense Combine analyzer enables precise field quality mapping, helping you identify variations in grain quality across your fields.



Technical specifications	
Size	225x225x110mm
Weight of the sensor	≈5kg
Power	12 VDC
Measurement principle	Near infrared transmittance spectroscopy
Sample size	Variable; ≈100 grams per second flows through the sensor when measurement is ongoing
Species	Wheat, barley, maize, soybean, rapeseed, oats and rye
Storage temperature	-20 to +85 °C
Operation temperature	+5 to +45 °C
Yearly calibrations	Remote SW update

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