

Product Sheet

GrainSense Combine

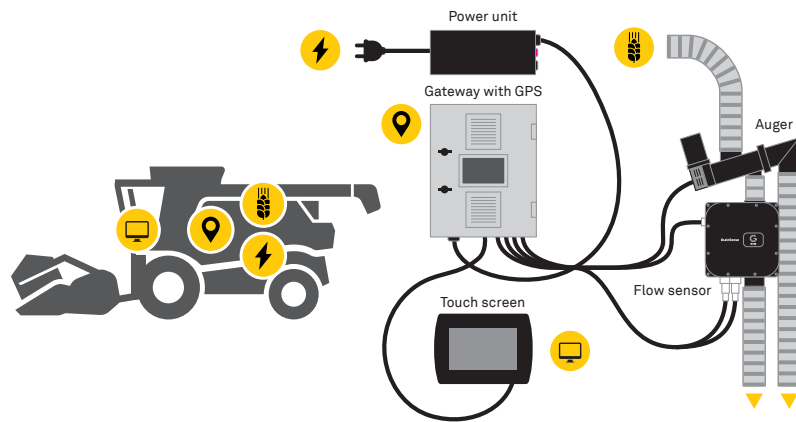
Grain analyzer

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 online during harvest.



GS FLOW ON COMBINE HARVESTERS



Via a grain entry and exit pipe system, grain is constantly 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.

Technical specifications	
Size	225x225x110 mm
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

Optional feature - Camera

With the optional camera, it is possible to detect green and broken kernels from wheat and barley by using state-of-the-art camera technology and artificial network computing.

