PRECISION FARMING SOLUTIONS

MC ELECTRONICS

GRAIN LOSS SENSOR (GLS)

FOR HARVESTERS

NEW PRODUCT

GRAIN LOSS SENSOR
for combine harvesters

MC ELECTRONICS
Precision Farming Solutions

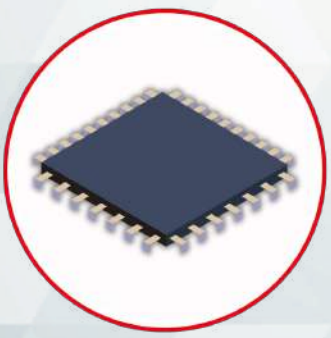
The **GLS loss sensor**, supplied on stainless steel bars, is designed to be installed on combine harvesters to **detect any seed loss** from every screening and harvesting system of the machine, by sending signals to the control system of the harvester.

These **high performance sensors** can be mounted on stainless steel bars of various lengths, applicable to all screening and collection systems of the machine and easily installed, tightening the 4 rubber shock-absorbers.

Depending on the customer's requirements, the bars can be **customized**, for example, to cover only the most critical points of the rotor or recovery channel, or with **SHORT BARS** you can cover the ends of the sieves, or with **LONG BARS**, you can cover the entire width of the straw walker.

The combine harvester control system can integrate GLS sensors by interfacing directly with their digital or analog output signals, or via CAN bus, or using a dedicated ECU gateway interface.

The **GLS loss sensor** (Grain Loss Sensor) is directly targeting the **OEMs** segment.



Integrated MICROCONTROLLER!

High data processing capacity, diagnostics, and seed counting

GRAIN LOSS SENSOR

Short, long and customized bars

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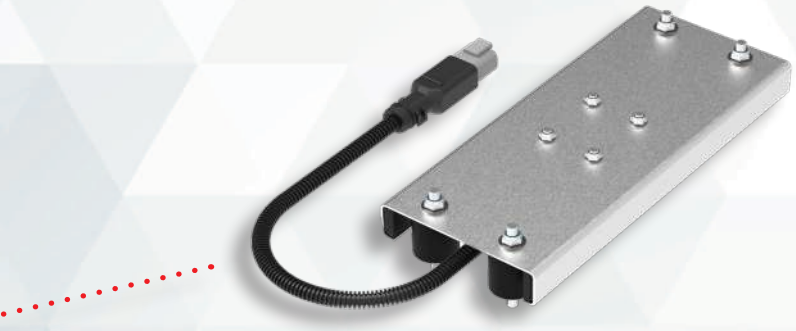

GLS SHORT BAR VERSION
(to cover the ends of the sieves)

GLS LONG BAR VERSION
(to cover the entire width of the straw walker)

GLS CUSTOMIZED BAR VERSION (depending on customer's requirements)

ADVANTAGES

- **Increased harvesting productivity**, thanks to real-time feedback from GLS sensors, which allows the combine's control system to react immediately to any losses from the sieve and harvest systems, optimizing the working conditions of the machine to minimize losses and maximize harvest;
- **Versatility of installation**, thanks to the customizable dimensions of the steel bars supplied with GLS sensors, which allow the installation of the sensors on all screening and collection systems of any machine, such as straw walker, sieves, rotors and recovery channels;
- **Optimization of sensor parameters** directly from the combine harvester control system, which can adjust the sensitivity and performance of each GLS sensor of different screening and collection systems in real time, for example, the type of seed harvested or the working conditions of the harvester.

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