

Grain Gage Weighing System.

Grain Gage offers highest precision and reliability for the data collection on the combine. It is designed to collect moisture, test weight and plot weight data on cereals and small grains. It incorporates a holding hopper, a test weight chamber and a weight chamber sized according to plot yield. Multiple samples from a plot are processed through the chambers. Total plot weight is summed, while moisture and test weight are averaged. Data can be recorded on a great variety of plot sizes and grain types.

Features:

- Three different size moisture chambers for low yield crops
- Windows Mobile based FRS Harvest software
- Grain level detection device for strip harvest

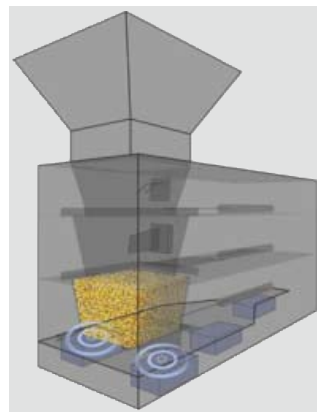
Precision electronics.

The new HM800 electronics connect the weight and moisture sensors through a CAN communications network. At the heart of this network are the HM800 Analog and Actuator modules. These modules are located in close proximity to the sensors that measure weight and moisture.

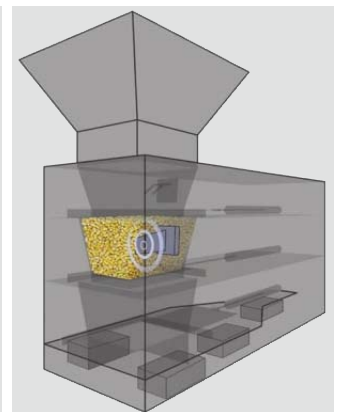
This design increases data accuracy for these critical measurements and eliminates large bulky cables.

Leading edge technology.

- Slope and motion sensor: Increases weighing accuracy and reduces errors caused by combine vibration and movement.
- Moisture sensor: It provides accurate moisture and test weight measurements even on high moisture grains.



Slope and motion sensor



Moisture sensor

Collect Data Research Plot 1	
Range	Row
Moisture	21.70
Test Weight	55.30
Weight	24.20
W: 0.00	M: 0.00
Spatial	From List Rec. MapTraffic

Windows mobile software.

FRS Harvest installed on a rugged handheld computer, allows the researcher to see field map information, current plot location and grain measurement. Large fonts and multiple data views allow the driver to see collected data. Data are exported into a format that is compatible with standard analysis packages or custom research programs.

Your benefits summed up:

- HM800 electronics with CAN eliminate bulky cables
- Highly accurate, repeatable moisture and test weight measurement
- Weight measurement compensated for combine movement
- Collect moisture and test weight on samples as small as 900 grams
- Harvest strip trials or normal length plots without stopping the combine



Weighing system Grain Gage



HM 800 Electronics

Technical Data

Specification

Capacity	3,00 litre - min. 2,5 kg 1,50 litre - min. 1,1 kg 0,75 litre - min. 0,9 kg
Grain outlet	152,4 mm x 215,9 mm
Grain inlet	114,3 mm x 190,5 mm
Actuators	Precision pneumatics
Accuracy of measurement	
Weight	+/- 0,4 % of full scale or 0,16 absolute
Test weight	+/- 0,5 lb/bu
Moisture	+/- 0,5 % up to 25 % (wwb), +/- 0,9 % up to 35 %
HM 800 Electronics	
Type of protection	IP67 water- and dustproof
Operating temperature	-20°C to +50°C
Power	9 V to 17 V DC
Communications	CAN Bus - 4 wires
Connection	Con X - all connections
Dimensions	
Measurements	Width: approx. 736 mm Depth: approx. 356 mm Height: approx. 533 mm
Weight	Approx. 63,5 kg

We reserve the right to make technical alterations.