



Classic GrainGage

Classic GrainGage

ACCURATE, EFFICIENT FIELD DATA COLLECTION

HarvestMaster's Classic GrainGage collects highly accurate grain trait data on cereals and small grains, even for samples as small as 900 grams. Multiple samples are processed from a plot to provide reliable measurements for moisture, test weight, and plot weight. With the Classic GrainGage, you can record data on a variety of plot sizes and grain types, without the maintenance that comes with traditional buckets. Field researchers prefer HarvestMaster GrainGages for accurate, efficient field data collection.



ABSOLUTE PRECISION

The Classic GrainGage utilizes HarvestMaster's reliable HM800 electronics to attain excellent data accuracy for critical measurements like weight, moisture, and test weight, while eliminating the need for large, bulky cables. GrainGages also use patented slope and motion sensors and an Electromagnetic Grain Moisture Sensor to provide highly accurate measurements, even on high-moisture grains. To further increase accuracy, the Classic GrainGage processes grain in small batches, averaging the moisture and test weight from multiple measurements for the most reliable results.

INCREASED EFFICIENCY

The Classic GrainGage uses specialized sensors that compensate for vibration and movement, allowing you to harvest strip trials and normal-length plots without stopping the combine, and ultimately, increasing speed and efficiency.

MIRUS - EASY-TO-USE, YET POWERFUL

The Classic GrainGage is optimized to use with HarvestMaster's Mirus software, a powerful, yet easy-to-use tool that allows researchers to collect and monitor plot harvest data as it's collected.



Applications

Standard Variety Testing | Single Plot Combines | Low-Plot Yields | GPS Strip Harvest

Technical Specifications

CLASSIC GRAINGAGE

Size: 74cm Width x 36cm Depth x 53cm Height

Weight: 45 kg

Chamber Capacity:

3.0 Liter – Typ. 2.5 kg corn

1.5 Liter – Typ. 1.1 kg corn

Weight Accuracy*: +/- 10 g

Moisture Accuracy:

+/- 0,5% (wwb) up to 0% bis 25% Moisture

+/- 0,9% (wwb) up to 25% bis 35% Moisture

Test Weight Accuracy:

+/- 1.25 kg/hL over 95% of samples

Grain Inlet: 15cm x 21,5cm opening

Grain Outlet: 11,5cm x 19cm opening

Actuators: Precision pneumatic

HM800 ELECTRONICS

Environmental: IP67 waterproof & dustproof

Operating Temperature: -20 C to 50 C

Power: 9V to 17V DC

Communications: CAN Bus – 4 wire

Connector: Sealed Con-X; all connectors



*Accuracy of the weighing system can be adversely affected due to excessive vibration and shock. To achieve specified weight accuracy on moving machines, the HarvestMaster patented Slope & Motion Sensor must be enabled. Dynamic forces on the system in any direction should not exceed a magnitude of 0.8 g and the slope of the weighing platform should not exceed 10 degrees.