



HERON AUTOMATIC GRAIN SAMPLER 4000

Trade your grain at the right price

Standard type



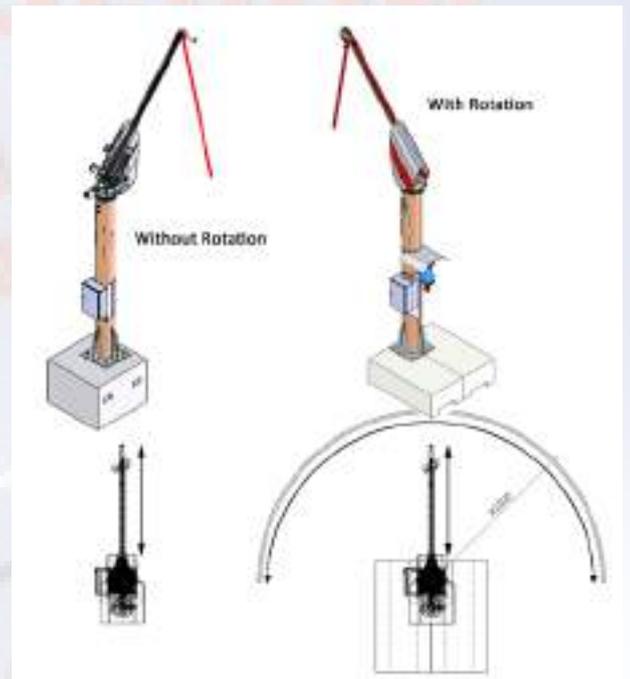
The samplers of series 1000 can still be ordered whenever 480V is not available. Contact us at 001 415 441 1111.

Choosing your model

Heron Standard Economic - Farms

The Heron Standard Economic range has the option of with or without rotation. The non-rotating sampler moves in a simple up and down motion, with no sampling radius. The Economic range provides a sample at post and does not travel to lab. The rotating sampler moves both up and down and on a 2.9m radius.

The Economic range is ideally suited to large farms as the sampler is mounted on a post, attached to a portable concrete block, allowing you to store away safely when not in use.



Heron Standard - Medium & Large Farms/Smaller Commercial Applications

The Heron Standard range has an operating radius of 2.9m, and as standard, the Heron range has integrated dumper bottom detection. The Heron range is easily adaptable to being mounted on a pillar, wall or gantry which allows maximum installation flexibility.

The Premium range is a more heavy duty specification with increased pillar diameters, increased drive motors and a larger base plate. Both the Standard and Premium range are ideally suited to large scale farms and smaller commercial applications.

Heron Gyroscopic - Large Farms/Commercial Applications

The Gyroscopic range boasts 3.3m, 4.1m or 5m sampling radii, and can be mounted on a pillar, on a wall or on a gantry; making it a very versatile range.

The Premium range is a more heavy duty specification with increased pillar diameters, increased drive motors and a larger base plate. The Gyroscopic range is ideally suited to commercial applications such as grain stores.



The Probe

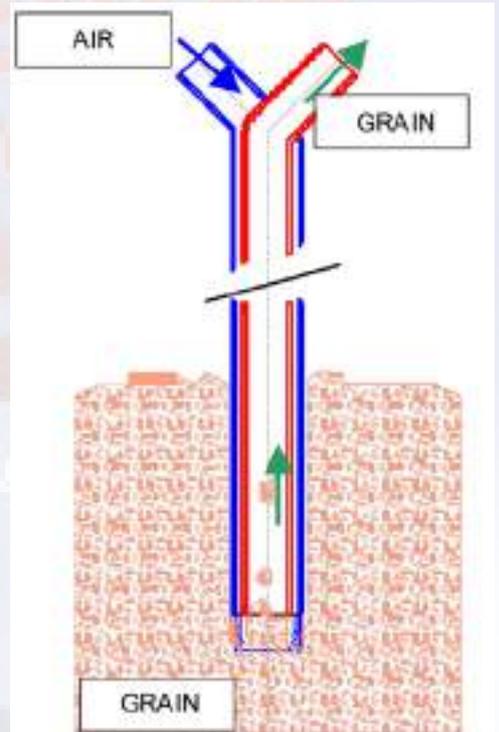
Twin Walled Probe

As standard our grain sampling equipment comes with a twin walled probe with air recirculation, providing core sampling technology.

The probe ensures only the grain lying directly under the nozzle is sampled. The probe dives into the grain during sampling with a maintained vacuum from the top of the grain load to the dumper bottom allowing a column/core of grain to be taken. This helps to show the true composition of the load over the entire height in an uninterrupted and accurate manner.

The secondary air flow re-circulated into the probe can be adjusted by putting a sleeve over the air exhaust port in the recirculation line.

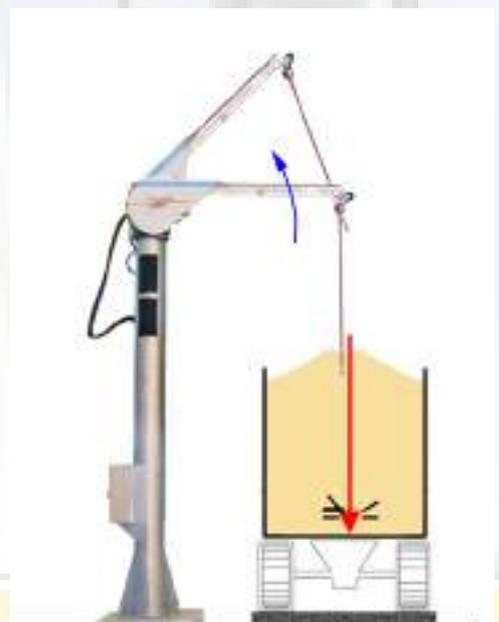
The take up in one cycle is about 0.45kg to 0.6kg (under a loading height of 1.8m)



Dumper Bottom Contact

The sampling operation itself is fully automatic, and the return travel to the raised home position will only be triggered once the probe has met the floor of the dumper body, as signalled to the inverter controlled unit by the patented dumper bottom contact. This ensures the user can always be sure that the samples have been taken over the entire height of the load as imposed by ISO 13690.

If the sampler comes into contact with a rail along the back of the vehicle, the sampler will read as though it has touched the bottom of the vehicle and continue sampling as normal.



Need more information? We can help find a solution, call us today!

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Automation Options (extra)

Automation for 1 to 3 sample points

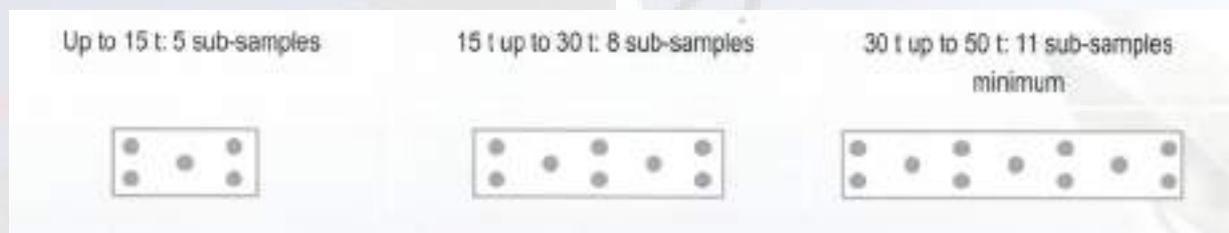
Pre-programmed & recording automatic sampling from 1 to 3 sampling spots (only for standard model) comes with joystick control panel + automatic return to parking position. It's the simplest automation with a simple PLC.

Automation for 1 to 10 sample points

Pre-programmed & recording automatic sampling from 1 to 10 sampling spots and recording for 4 different sizes of vehicles; comes with joystick control panel + automatic return to parking position.

ISO standards on static samples

- Up to 15 Tonnes: 5x sub-samples
- 15 to 30 Tonnes: 8x sub-samples
- 30 to 50 Tonnes: 11x sub-samples (minimum)



Control

Standard controls

Standard switch box control system; This system enables the operator to move the probe to the desired position then press the sample button and the probe will take the sample automatically and send it to the lab, then the operator selects another position manually etc. When sampling is complete the park button can be pressed and the probe will return to the home position.



Joystick Control Panel (extra)

The joystick control panel is supplied as standard when automation is required, but it can also be supplied without the automation if required.

The Joystick control panel allows increased accuracy with manually controlling the sampler, but also has various switches that select the options required with automated sampling, making the automation even quicker.



Call us now to get your new grain sampler in just 6 - 8 weeks!

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