

## On board dynamic weighing system for excavators and material handling machines.

The Hex-Load on board weighing system is specially designed, to be used on excavators and material handling machines. Our patented gyroscope/accelerator angle indicator, fitted to each mast section defines the exact position of the bucket or clamp shell. Through calculating all these points of gravity and lift pressure, a very accurate weight of the load in the bucket or clamp is defined. The in-accuracy is maximal 5%. The Hex-Load is designed from our Helics, rated capacity limiter, which is built to be robust for tough working environments.

## Automatic weighing with a triggerpoint

To display the weight in the cabin, a graphic touch screen is used. This display shows the weight of the load and the total amount of more bucket loads. Bucket loads can automatically be added and stored using a trigger point.

When the lift frame passes a pre-selected (by the operator) point the nett bucket load is added to the previous total. By using the function buttons, it is possible to add, or subtract, or to tare or reset the load.



## Specifications

7" touchscreen display

Max. inaccuracy: 5% of max load in the bucket

Graphic screen

Data input of products, customer details , and additional details.

Data transmission with USB stick or radio remote

Possible to connect a printer in the cabine.

## Radio remote data transmission and printing.

Information about customer, product, location, different bucket weights and truck registration details can be programmed into the dash screen. As soon as a weighing (triggered) takes place, these details are joined together with the particular weighing details, including time and date. These details can be shown in a Excel sheet in your PC, using a memory stick in the weighing system. Radio remote transmitting, directly transmitted to your PC, is as an option also possible.

It is also possible to connect a printer to the dash panel, enabling the operator to print out a weighing slip or print out of each load for the customer. A total overview sheet can also be printed out for all the weighings after a weighing sessions (for your own information).

## The fitting and calibration

The fitting of a weighing system is possible on new and existing machines. It does not require significant alterations to the machine. The system is simple in use, robust and maintenance free.

## Nijhuis Engineering Dronten BV the right address for:

Safety systems	Integrated weighing systems	Construction	Auxilliarities
EN 13000 Rated capacity limiter (RCL) (all hoisting machines)	Weighing systems for wheel loaders	Complete modification of excavators to rail use and the BEAR suspension	NEN 280 access platform conversions
EN 15746 Rated capacity limiters (RCI/RCL) for Hi-rail excavators	Weighing systems for excavators	Hoisting extension jibs (Telescoping with or without a winch)	Remote controls
Height, slew and Area limiters	Weighing systems for conveyor belts	Access platforms (steel and aluminium)	Grade/ digging control
Hose break protection (electronic and pilot pressure)	Weighing system for agriculture trailers	Specials/ 3D engineering	Access platform