



front end loader (FEL)



appsheet



WEIGHING AND LOADING DATA MANAGEMENT DEVICE INSTALLED ON BOARD

The Device is perfectly positioned in the cabin to give you the best view of its display and operability in choosing the data you want to enter before starting the load. Its swivel mount allows you to direct the Device as you wish.

1 - BOOM ANGLE SENSOR

The Alpha3 sensor measures the boom angle during lifting, establishing the weighing and weight display window. Alpha3 works with Canbus technology, this means that the wiring to the instrument is reduced and simplified, it also makes it possible to diagnose Alpha3 directly from the instrument. Its degree of protection ensures operation at the most extreme temperatures and environmental conditions. A strong metallic protection ensures Alpha3 and its connectors a prolonged durability to external impacts.

2 - FORKS INCLINATION SENSOR

The Alpha3 sensor measures the inclination of the forks with respect to the truck's inclination position, allowing a weight correction during the loading phase. Alpha3 works with Canbus technology, bringing the benefits described above.

TWO WEIGHING TECHNOLOGIES TO CHOOSE FROM

3a - LOADLINK54

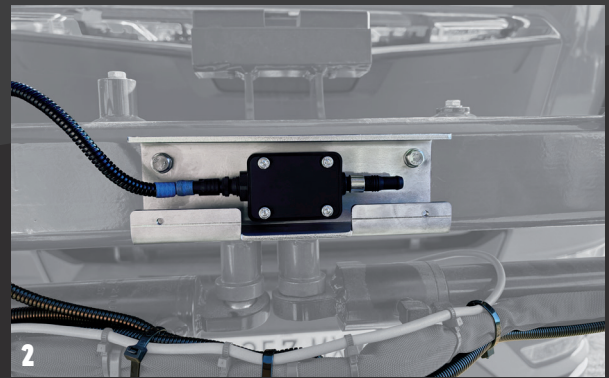
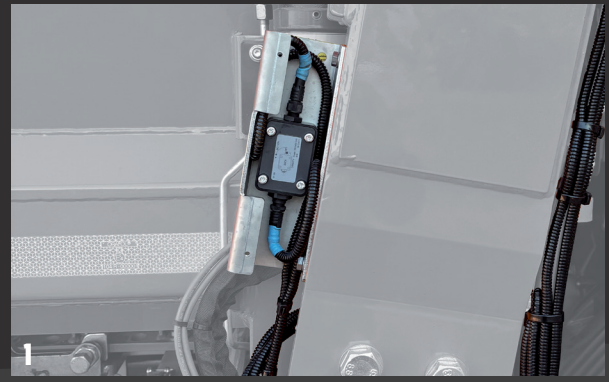
The Loadlink54 sensor measures the lift boom's flexion during loading. Its installation is non-invasive and requires no mechanical modifications to the truck.

3b - LIFT FORKS' SENSOR

The forks' sensors are properly installed through a mechanical modification of the forks attachment into the lifter, thus to apply the full load to the load cell.

4 - TRUCK INCLINATION SENSOR

The Alpha3 sensor measures the inclination of the truck with respect to the earth's axis, allowing a weight correction during the loading phase. Alpha3 works with Canbus technology, bringing the benefits described above.



specifications



power supply	9÷36Vdc
working temperature	-40÷+80°C
shocks	40G
device/sensors protection	IP54/IP67
size	140x204x67
4 Inputs - 4 Outputs	yes
display	HD color
maximum capacity (kg)	not limited
measurement error - Boom's flexion technique	2% or better
measurement error - Forks' sensor technique	1% or better
automatic weighing of different types of bins	yes
approved according to regulations 2014/32/EU	no

data management



waste types	100
customers	1200
waste destinations	100
black list	10000
white list	10000
RFID management	yes
cloud connection	USB-wireless
loading file download (.csv)	yes

*see products datasheet for complete details