

Precision in Motion

Eleira

Make your vehicle fit for tomorrow.

Modules for Eleira systems:



Eleira evaluation computer:
The "brain" of every mobile weighing system. Parallel processing of data from up to ten instrument transformers from the DIGI SENS range, such as load cells, accelerometers and inclinometers. 200-1000 measurements per second and cell. Certified according to OIML R51. Interfaces are modularly extensible. Web interface for configuration and readout of measuring data. LCD-Display, water-proof housing.



Accelerometer:
Accelerometer for correct weighing of objects in motion.



Inclinometer:
The inclinometer exactly compensates the tilt of the vehicle.



EleiraTouch display unit:
Assists the driver when communicating with the system.



Load cell:
A wide range of load cells covering weights from 40 kg up to 10,000 kg. They form the basis of all our weighing solutions, such as on-board and catchweighing systems.



Catchweighing:
Whether on front, side or rear-loaders, Eleira works fast and flexibly, adapting automatically to the speed of your system. Your advantage: Higher throughput and more efficiency



DIGI SENS AG

Since 1993 DIGI SENS has been developing, producing and selling digital measuring systems based on the digital oscillating-wire sensor. With its simple-to-use, robust systems DIGI SENS rapidly became the market leader for dynamic catchweighing systems in Europe.

Our mission is the logging of weight as a means of measuring quantities and material flows of all kinds. In this way we play our part in future-oriented waste disposal and recycling concepts with systems that are accurate, reliable, cost-effective and eco-friendly.



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The new dimension in mobile weighing

Eleira

System modules for the configuration of mobile weighing systems. The new generation of the tried and tested weighing system from Switzerland.



Weighing technology by DIGI SENS ensures reliability and fairness in waste disposal

Excellence in integrated weighing application



Eleira 04/2017/800 - © Digi Sens, Bucher Guyer, Ochsner, Wittke, Labrie, Nido Flughafen Zürich, Port of Tirana

Go ahead with *Eleiro*

Digital measuring technology for integrated waste disposal concepts

Fast – accurate - robust

Weighing equipment in waste disposal vehicles has to fulfil stringent demands:

- Precise, calibratable in compliance with the relevant OIML standards
- Robust, long-lived
- Compatible with all lifting and tipping technologies
- Comfortable to use, reliable in operation
- Configuration via Web module

First Class Weighing

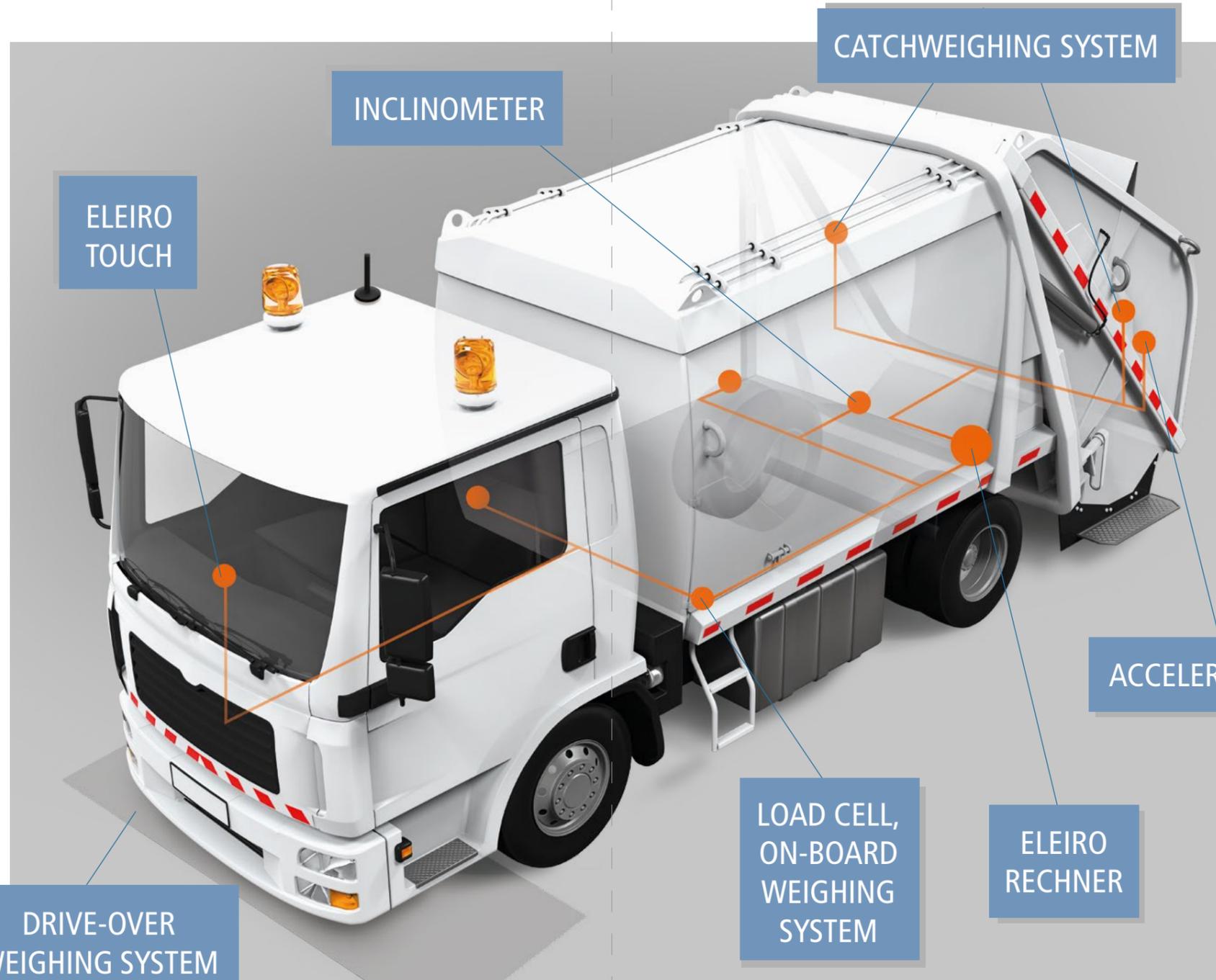
Digi Sens offers vehicle manufacturers and integrators the freedom to implement almost any mobile weighing solution. The heart of every configuration is the new Eleiro evaluation computer. The computer can be connected to as many as ten instrument transformers with DIGI SENS 4-wire technology. This includes load cells with a wide range of construction types and load capacities, as well as accelerometers and inclinometers. The high resolution allows calibration according to OIML Standard R51.

The Rhythm of Movement

The system adapts automatically to the working speed of tipping operations. Thus tipping can be carried out at high speed, making operation especially economical. The Digi Sens instrument transformers with digital oscillating-wire sensor technology are far superior to conventional DMS sensors in speed, precision and long-term stability. The system processes the measurement data transparently. Thus Eleiro integrates ideally as a component of superordinate recycling and waste disposal systems.

Feedback from the market:

“Our vehicles are on the road all the time. We use weighing systems by DIGI SENS. When we have to decommission a vehicle due to old age, the DIGI SENS weighing equipment is still working as well as on day one.”



“Plug and Weigh”

The Eleiro system offers the right components for all mounting conditions and all weight situations. Every chassis and every lifting and tipping system can be fitted with Eleiro. A wide range of interfaces enable Eleiro to be integrated into customer-specific on-board systems. A step-by-step configurator guides vehicle outfitters through the initial activation process. Existing configurations can be simply uploaded for serial production. The Web interface gives access to operational data – which greatly simplifies servicing and maintenance.

Lasts (virtually) for ever...

Every part of the system is designed and built to withstand hard everyday use. The evaluation computer with its stable stainless steel housing, protection class IP67, can be easily mounted on the chassis. The new generation instrument transformers are equipped with non-bulky 4-wire cables and plug-in connectors. This simplifies wiring and enables faulty cables to be replaced without the need to recalibrate.

Intelligence Inside

The 4.3“Eleiro Touch colour display is mounted in the driver’s cab. It simplifies operation and is used by the driver to communicate with the system. Eleiro Touch displays measuring results, fault codes, RFID chip numbers and messages such as overweight / underweight. The driver sees the net weight in real time and can generate a print-out at any time. If wished, screen design and print-out design can be adapted to match the corporate design of the user.



Eleiro catchweighing system: Operates at top speed with any lifting and tipping system



Drive-over weighing system: The final control before stowing containers in aircraft



On-board weighing system: Weigh whole structures accurately with DigiSens load cells



4-wire connection: Pluggable, easy to lay, inexpensive: the new 4-wire cells



Eleiro Touch System settings, weighing data, all at your fingertips on touch screen

Feedback from the market:

“For years now, we have used components by DIGI SENS when equipping our waste disposal vehicles. Their technology is simply reliable!”