

Accurate weighing with Kistler's WIM system



Now
OIML-certified!
(R134)

Kistler Weigh In Motion system with certified performance

Kistler's Weigh In Motion (WIM) system delivers real-time vehicle and traffic data without disrupting the traffic flow. Together with the unique Lineas® quartz WIM sensors, the Kistler WIM Data Logger supplies reliable weighing data for a vast array of applications.

- Including all the key equipment you need to set up your WIM system
- Maximum weighing accuracy from low to high speeds, for up to four traffic lanes
- Easily integrated into your overall solution
- Ideal for traffic data collection, weight enforcement, toll collection, and industrial truck weighing applications
- Unique stop & go feature for ensuring reliable measurements in stop & go traffic and for minimizing impact of driving behavior

www.kistler.com/wim

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measure. analyze. innovate.

High weighing accuracy

Kistler's WIM Data Logger and Lineas® WIM strip sensors deliver absolutely reliable traffic data – year after year. Kistler WIM systems are OIML-certified for low to medium-speed vehicle weighing across a wide variety of applications.

Unique features and long lifetimes make Kistler WIM systems the ideal choice to protect road infrastructure, improve traffic safety, and invoice industrial goods by weight.

Maximum accuracy – long service lifetimes

Kistler's high-precision quartz crystal Lineas WIM sensors can be installed in asphalt or concrete pavements. These maintenance-free strip sensors are easily grouted into a slot in the pavement. Kistler's Lineas WIM sensors feature very wide measuring ranges to ensure the same accuracy for light and heavy vehicles.

Reliable weight data

Kistler's WIM Data Logger is specifically designed to process signals from Lineas WIM sensors. It is easily integrated into existing solutions to deliver highly accurate data, such as gross vehicle weight, axle loads, wheel loads, vehicle length, axle distances, vehicle imbalance, speed, and driving behavior.

Flexible system configuration – easy integration

Setup and calibration of the WIM equipment is made easy thanks to a state-of-the-art web interface. Vehicle data can either be accessed locally on the computer at the measurement site or sent directly to the customer's central database. Kistler's WIM system comes with a REST API interface to integrate the collected data into complex ITS applications, allowing parameter access as well as device control.

One system – multiple applications

Kistler's WIM systems deliver highly accurate measurements over a wide speed range. The Lineas WIM sensors and the WIM Data Logger can interface with various external devices, so the system can be used in a vast range of applications:

- Traffic Data Collection (e.g. statistics)
- Weight Enforcement (pre-selection of overloaded vehicles or automated enforcement)
- Toll Collection (manual or automatic tolling by weight), stop & go traffic with diminishing impact of driver behavior)
- Industrial Truck Weighing (weight monitoring at harbors, mining, concrete plants, and other industrial facilities)
- Overload Detection for bridge protection

The complete WIM system – from one single source

Kistler's WIM system includes all the key equipment you need to set up your high-performance WIM system, such as the road components (WIM sensors and grouting compound) and the roadside equipment (WIM Data Logger with vehicle separator – loop card or beam array – and power supply unit, all pre-wired on a DIN rail for immediate operation).



Kistler Lineas WIM sensors

- High accuracy and reliability thanks to unique quartz crystal technology
- Long-term stability (no ageing), insensitive to temperature variations
- Robust design for high durability
- Quick and easy installation in any type of road pavement



Kistler WIM Data Logger

- Can monitor up to four traffic lanes
- OIML-certified operation
- Quick setup thanks to state-of-the-art web interface
- Digital inputs and outputs to interface with various peripherals

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Kistler Group includes the Kistler Holding AG and all its subsidiaries in Europe, Asia, Americas and Australia.

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