

KiTrafic Digital World's most advanced Weigh In Motion platform



±2%
Accuracy
up to 2%
of gross weight



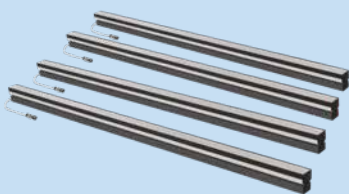
KiTrafic Digital is a powerful hub where pioneering measurement technology and digitalization converge. This advanced platform gathers real-time weight data without disrupting the traffic flow. KiTrafic Digital offers tools that empower you to make informed decisions, giving you efficient control over traffic safety. The interface delivers valuable information from the road directly to your screen, so you can identify potential vehicle overloads more efficiently than ever before.

Meet our full solution

Measure

Process

Access



Innovative Lineas Digital WIM sensors



High-quality electronics for reliable data processing



Versatile customer interfaces

Cover multiple application fields



Direct weight and tire
enforcement



Pre-selection of
overloaded vehicles



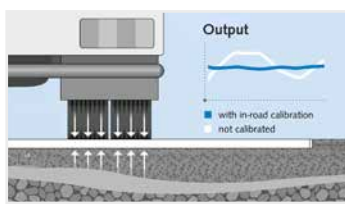
Infrastructure design and
maintenance of roads and bridges



Research and academic
purposes

Access the latest digital features

BASIC FEATURES

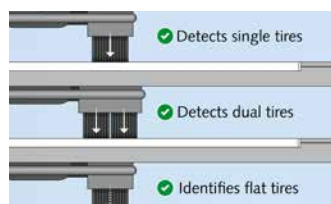


Smart road calibration
Calibration factors of each measuring quartz are adjusted individually to reduce the influence of local road properties, and ensure maximum accuracy across the whole lane.

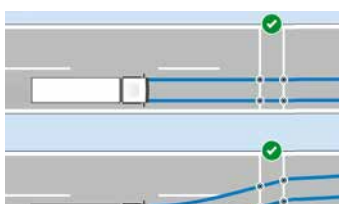


System status monitoring
Keeps you informed about the health status of the system.

ADDITIONAL FEATURES



Automated tire screening
Detects tire type (dual/single), and identifies underinflated tires – with no need for additional tilted sensors.

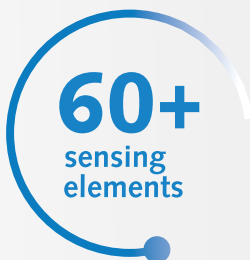


Interlane driving
Delivers reliable data – even when vehicles switch lanes in open road traffic.

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installed worldwide since 2018



embedded within each Lineas Digital sensor



with unique quartz technology



proven in the road

Profit from countless benefits

Highest accuracy



- World's most accurate WIM system with weighing precision of up to $\pm 2\%$ for gross vehicle weight, from walking pace to racing speeds.



- Unique **OIML R134** certification for accuracy class **F5** from the Swiss Federal Institute of Metrology (METAS).

Full scalability



- Standard interfaces ensure easy integration into higher-level systems.
- Kistler delivers full solutions, including third-party devices.

Easy installation



- Minimally invasive small slot in the pavement enables quick installation at low cost.
- Sensors are fully embedded in the grout with no screws or frames.
- Flexible layouting options available according to accuracy requirements.

Valuable vehicle records



Real-time data collection provides valuable insights without disrupting traffic:

- Gross vehicle weight
- Axle loads
- Weight distribution (left/right)
- Vehicle class
- Axle counts
- Direction and lane
- Speed
- Length
- Wheelbase

Fast processing times



- Sophisticated algorithms enable authorities to identify and address vehicle overloads with maximum efficiency.

Want to learn more?
Explore the future of
WIM now!

