
KiTrafic Digital

WORLD'S MOST ADVANCED WEIGH IN MOTION PLATFORM

Certified
to OIML
class F5

$\pm 2\%$

Accuracy
up to 2%
of gross weight



Automated
tire screening



Interlane
driving

Meet our 4-in-1 solution

KiTraffic 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. KiTraffic 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.



1 Direct weight enforcement

- Highest weighing accuracy
- Periodic OIML recertifications



2 Automated tire screening

- Tire type and flat tire detection
- Without additional tilted sensors



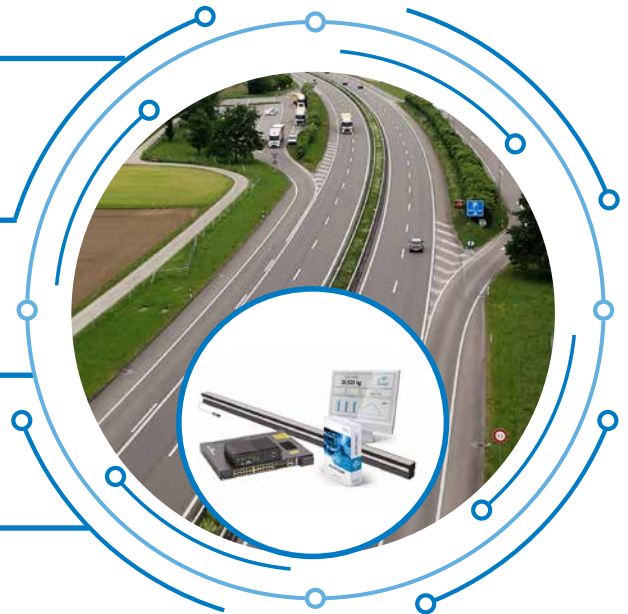
3 Electronic toll collection

- Axle counting and classification in interlane driving scenarios



4 Speed enforcement

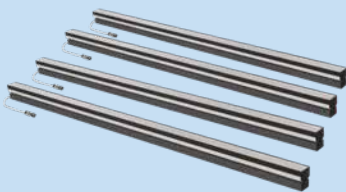
- Compliant to Swiss speed certification requirements



Measure

Process

Access



Innovative Lineas Digital WIM sensors



High-quality electronics for reliable data processing



Versatile customer interfaces

400+
Lineas Digital
sensors

installed worldwide
since 2018

60+
sensing
elements

embedded within each
Lineas Digital sensor

30+
years of
innovation

with unique quartz
technology

8+
years of field
experience

proven in the road

Access the latest digital features

BASIC FEATURES			
	<p>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.</p>		<p>SYSTEM STATUS MONITORING Keeps you informed about the health status of the system.</p>

ADDITIONAL FEATURES			
	<p>AUTOMATED TIRE SCREENING Detects tire type (dual/single), and identifies under-inflated tires – with no need for additional tilted sensors.</p>		<p>INTERLANE DRIVING Delivers reliable data – even when vehicles switch lanes in open road traffic.</p>

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!



www.kistler.com/wim

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measure. analyze. innovate.