



Accurate speed measurement with optical technology

Stationary and mobile traffic monitoring





Mobile measurement solutions from eso are developed to increase traffic safety.

Mobile speed enforcement

All around the world, speeding is one of the most common causes of accidents on the road – and equally large are the challenges for the police and local authorities. The certified eso measuring solutions from Kistler enable a precise mobile or stationary speed enforcement and are thereby contributing to increased traffic safety.

Whether downtown, on the open highway or on a mountain pass: with the versatile eso complete system, speed checks can be performed with high precision in a broad range of measurement environments. The measurement solution combines a unique optical measuring technology with reliable driver and registration plate identification. Traffic violations can therefore be captured quickly and efficiently thanks to the short 50 cm measurement base – a tremendous advantage on interurban roads, highways and in curves.

Unrestricted automatic measurement

With just one instrument, the speed of all vehicle classes (including motorcycles) can be measured in both traffic directions and across multiple lanes. A user-friendly software application supports the subsequent evaluation and legal validation of the measured data. If needed, the mobile system can be converted to a stationary measurement solution at any time and at minimal expense.

Advantages of mobile speed enforcement:

- Universal, complete system for legally valid speed enforcement data
- Monitoring of different traffic directions with just one measuring instrument
- Measurements can be performed far from the street, without limitations
- Precise measurement with a low cancellation rate, even on multiple-lane roads and in curves
- Unique, easy-to-operate certified optical measurement technology
- Wireless operation thanks to encrypted WLAN transmission technology
- Conversion to a stationary measurement solution possible



Monitoring of both directions of traffic with just one measuring system and two independent photo units.



The intuitive user interface helps users configure the measuring system.

Compact measuring system for a broad range of uses

With its optical single-side sensor, eso is setting new standards in mobile speed enforcement. Thanks to plug-and-play technology, the wireless single-side sensor can be employed by the police and local authorities in a variety of ways and can be operated with up to two independent 12-megapixel mobile photo units. A car installation is not required for this: the entire measuring system is housed in a transport case that fits in any commonly used police car.

Simple, intuitive operation

The eso measuring system is intuitive and easy to operate via a mobile touch tablet. The software actively communicates with users and helps them operate the measuring system.

Measuring in real time

Compared with conventional measuring systems, the eso measurement solution measures in near real time, even when traffic is heavy. The system also picks up vehicles traveling closely in line or alongside each other on multiple lanes.

Advantages of the eso measurement solution:

- Maximum flexibility at the measuring location thanks to wireless application
- No car installation required
- Measures in real time, even when traffic is heavy
- Multiple measurement shifts without changing batteries
- Simple operation via mobile touch tablet
- Precise measurement independent of vehicle class, speed, road or number of lanes



The mobile base system from eso can be integrated into a special protective case in just a few steps.

Stationary speed enforcement

In addition to mobile measuring instruments, stationary systems are also used for traffic monitoring. These are designed to monitor major accident locations and provide extra safety in areas in special need of protection such as schools or day care centers.

With the universal measuring system, eso presents professional stationary and mobile speed enforcement capability in a single system. If needed, the mobile base system can be integrated into a special protective case in just a few steps. The system can therefore be operated around the clock and entirely without the presence of an officer, on the weekends and on holidays, for example. The versatile plug-in units allow the units to be moved quickly from one measuring site to another.







The esoDigitales evaluation software performs evaluation and legal validation of case-based data according to individual criteria.

Single-source provider

With several hundred systems installed in Germany and its comprehensive expertise in traffic measurement technology, eso GmbH, a Kistler Group company, has been making a significant contribution to road safety for over 40 years. At the center of its service offering is the esoDigitales evaluation software, which performs targeted evaluation and legal validation of case-based data according to individual criteria. The user-friendly software displays all measurement data and measuring locations in an easy-to-read overview – this facilitates operational planning and makes it possible to conduct statistical analysis related to the measuring location and accidents or violation rates.



Our team of experts would be happy to provide advice and assistance—whether for services, training seminars, repairs or upgrading the patrol vehicle. www.kistler.com/speed-enforcement





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