



TIC502

The benchmark in non-contact vehicle classification

PROFILING SYSTEMS

SICK
Sensor Intelligence.



Technical data overview

| | |
|--------------------------------------|---|
| Application | Traffic management, Toll collection |
| Integrated application | Vehicle classification, vehicle counting, Speed monitoring, Axle counting |
| Ambient operating temperature | -40 °C ... +60 °C |
| Weight | 12.8 kg / 12 kg (depending on type) |

Product description

The TIC502 (Traffic Information Controller) profiling system classifies vehicles in free-flowing traffic with high precision. The vehicles are scanned up to 100 times a second using eye-safe laser beams. The measurement data recorded is used to generate a 3D model of each vehicle. The TIC502 uses this database to assign up to 30 vehicle classes. The system can be expanded to include the axle counting function using an additional 2D LiDAR sensor. Thanks to the modular software and the web-based configuration and user interface, the TIC502 is easy to set up and operate.

At a glance

- Highly precise classification in up to 30 different vehicle classes
- Reliable in free-flowing and stop-and-go traffic
- Web-based user interface
- Works in all climate zones (-40 °C ... +60 °C) thanks to expanded temperature range
- Data history of the last 50 vehicles detected
- Can be extended to include the axle counting function

Your benefits

- Output of up to 30 vehicle classes according to TLS 8+1, TLS 5+1, TLS 2+1 or Swiss 10
- No additional software necessary for visualizing vehicle data
- Fast and easy commissioning with the configuration wizard
- Reliable function even at night and in bad weather conditions
- Data storage directly in the customer system via FTP or UNC transmission

Fields of application

- Electronic toll collection
- Fast lanes at toll stations
- Traffic management
- Traffic analysis
- Traffic jam detection
- Speed measurement

Ordering information

Other models and accessories → www.sick.com/TIC502

| System part | Items supplied | Type | Part no. |
|--|--|---------------|----------|
| TIC502 Master (With supplied Traffic Controller TIC) | LMS511 SE 2D LiDAR sensors pre-installed on a mounting plate Traffic Controller TIC with TIC software including USB Stick with TEMS info sample client, source code for TEMS info sample client, TEMS analyzer and operating instructions | TIC502 Master | 1085137 |
| TIC502 Slave (For system extension) | LMS511 SE 2D LiDAR sensors pre-installed on a mounting plate | TIC502 Slave | 1085138 |

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com