



Laser scanners TIC1xx / TIC102 / Outdoor / Short Range

TIC102-02000



Model Name > [TIC102-02000](#)
Part No. > [1055104](#)



At a glance

- Highly precise vehicle classifications on multiple lanes for free-flowing and blocked traffic flow, even with lane changer
- Flexible and adaptable classification system
- Integrated standard classes
- Reliable operation even at night and in inclement weather
- Additional information such as speed, vehicle dimensions, triggers for license plate cameras and DSRC antennas

Your benefits

- Automatic calibration: The configuration of multiple lanes takes only minutes
- The detection of vehicle class, trigger, speed and vehicle dimensions facilitates the use in many application fields
- For simple integration, the system automatically combines the data of up to 4 lanes and outputs the results on a single interface
- The vehicle data can be stored directly in the processing head. This permits independent, temporary measurements to be performed easily.
- No complex installations into the road surface are required
- The triggering of the TIC102 improves the detection and reading rate of the license plate detection or the DSRC system
- Long maintenance intervals and fast installation lower the operating costs to a minimum



Features

Field of application:	Outdoor
Version:	Short Range
Laser class:	1 (IEC 60825-1 (2007-3)), complies with 21 CFR 1040.10 except for the tolerance according to Laser Notice No. 50 from June 24, 2007
Field of view:	180 °
Scanning frequency:	50 Hz
Heating:	Yes
Operating range:	≤10 m (Visibility might be limited to less than 10 m in case of fog, snow, heavy rain etc. This might lead to decreased system performance.)
System part:	Sensor Head

Performance

Integrated application:	Vehicle classification
Vehicle data:	Driving direction, Speed, Vehicle interval measurement, Lane assignment
Classification:	ECTN15, Swiss10, TLS2+0, TLS5+1, TLS8+1

Vehicle dimensions:

Width, Height, Length

Interfaces

Serial (RS-232):	-
Ethernet:	✓
Function (Ethernet):	Client
CAN bus:	-
PROFIBUS DP:	-
PROFINET:	-
DeviceNet:	-

Mechanics/electronics

Operating voltage:	24 V DC± 5 %
Housing color:	Gray (RAL 7032)
Enclosure rating:	IP 66 (EN 60529)
Weight:	16.1 kg
Dimensions:	482 mm x 355 mm x 373 mm

Ambient data

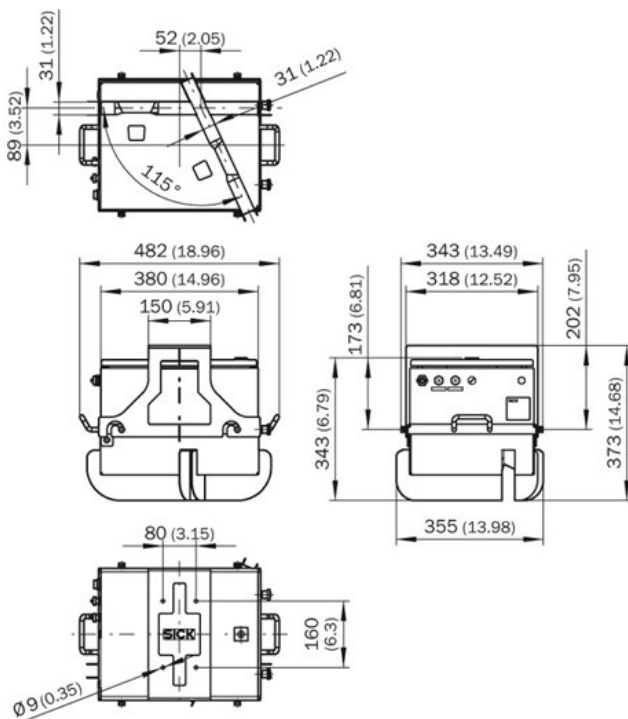
Ambient operating temperature:	-25 °C ... 50 °C ¹⁾
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¹⁾ Protection against direct sunlight is required to prevent overheating.

General notes

Note on use:	Not suitable for personnel protection
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Dimensional drawing



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