



## AOS Radar

High detection reliability for hazardous situations in outdoor areas

**SICK**  
Sensor Intelligence.



## Technical data overview

|                          |  |
|--------------------------|--|
| <b>Supply voltage</b>    | 24 V (9 V ... 32 V)  |
| <b>Driving speed</b>     | 10 km/h ... 200 km/h   |
| <b>Scope of delivery</b> | RMS2000 radar sensor, Telematic Data Collector, TEMS-based "Wrong Way Driver" software on the Telematic Data Collector, Mounting bracket, Connecting cables, Mounting rail bracket, System documentation and interface description, Quick Start guide including download link for the operating instructions |

## Product description

The AOS Radar (Advanced Object Detection System) object detection system enables early detection of dangerous situations with a high potential for collision. The data recorded by the radar sensor is then evaluated multiple times to prevent incorrect detections and to clearly verify objects. Even in difficult weather conditions, it offers high detection reliability. This is how the system helps to increase safety and prevent accidents. The unit responsible for evaluation and alarming is the integrated Telematic Data Collector gateway system, which has a wireless communications interface in addition to common industrial interfaces.

## At a glance

- Non-contact measurement process with radar technology
- Can be expanded to max. two radar sensors
- Evaluation and alarming using the Telematic Data Collector gateway system
- Application-specific parameterization
- Web-based user interface

## Your benefits

- High detection reliability and performance in any weather conditions
- Individual determination of objects with high potential for collision
- Flexible installation location
- Simple system expansion
- All common interfaces for connection to the customer system
- Standalone operation and quick alarming without cable connection to the customer system
- Access via web browser

## Fields of application

- Road traffic
- Detection of wrong-way drivers
- Port processes in quay, container yard and intermodal areas
- Cranes in the production processes of manufacturing facilities, the steel and chemical industries, ports, terminals and power plants
- Hazardous and safety zones in mining
- Mobile automation
- Open and wide areas

## Ordering information

Other models and accessories → [www.sick.com/AOS\\_Radar](http://www.sick.com/AOS_Radar)

- **Items supplied:** RMS2000 radar sensor, Telematic Data Collector, TEMS-based "Wrong Way Driver" software on the Telematic Data Collector, Mounting bracket, Connecting cables, Mounting rail bracket, System documentation and interface description, Quick Start guide including download link for the operating instructions

| Version/Application                               | Type           | Part no.   |
|---|----------------|------------|
| Europe, Middle East, Africa, APAC excluding Japan | AOS2001-GC WWD | 1133090    |
| Japan   | AOS2001-JC WWD | On request |
| North America and Latin America                   | AOS2001-AC WWD | 1133091    |

## 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](http://www.sick.com)