



BACKUP ASSISTANCE SYSTEM

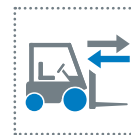
ACTIVE COLLISION WARNING FOR COST-EFFECTIVE RETROFITTING OF FORKLIFT TRUCKS

Object detection systems

SICK
Sensor Intelligence.

Workflows in logistics are becoming increasingly dynamic, while the tasks of a forklift driver are becoming increasingly comprehensive. There is a great deal of movement and time pressure. Inattentiveness or a distraction can therefore quickly lead to a collision with serious consequences.

The BAS is a cost-effective solution for the targeted avoidance of accidents caused by collisions. Obstructions in the path of the forklift are reliably detected and the warning concept ensures that drivers and pedestrians are made aware of potential danger with acoustic and visual signals in real time.



Seamless storage, handling and transport procedures in logistics



Cost savings by avoiding accidents and damage



www.sick.com/Backup_Assistance_System

+ Customized environment perception

Scalable surveillance area

Thanks to flexible mounting points on the vehicle, the surveillance area can be adapted and scaled.

- Well suited to covering blind spots in a targeted way
- Optimal protection of side areas
- Detection of stationary and moving objects – no cabling of sender and receiver necessary



+ Support the driver

Three-step warning concept

- Two warning fields monitor various individually adjustable minimum distances to an object
- Three-color visual signal and adjustable acoustic signal up to 98 dB
- The driver will not be distracted while driving forward



Interactive 3D demo

+ Cost-effective retrofitting

Compact stand-alone system

- For a simple installation and quick mounting, the control unit only has to be wired with the vehicle
- Compatible with various operating voltages for use with a variety of vehicles – regardless of manufacturer or year of construction
- Low energy consumption, meaning little drain on the vehicle battery, which saves charging time and therefore costs.

+ Transparency in productivity and availability of vehicles

Monitoring Box – the digital service for BAS

- System data is processed analytically and provides valuable information at any time
- Visibility into events (for example Near Misses) and BAS device information
- Optimization of process quality through temporal and local recording of object detections
- Further information: www.sick.com/Monitoring_Box